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1935

## Engineering Department Weekly News Letter, 1935

Great Northern Paper Company

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## WEEKLY NEWS LETTER

FOR WEEK BEGINNING 8 A. M.

Dec. 30,

1935

FROM Engineering Department

LETTER NO. 1

SUBJECT	DETAIL
Water Storage	<p>Maximum Capacity of Ripogenus and North Twin - 45,000 Mil. Cu. Ft.</p> <p>Jan. 6th, 1935: " " " " - 14,685 " " "</p> <p>" " " Total including Small Ponds - 14,685 " " "</p> <p>10 Yr. Avg. (Jan. 6th) Ripogenus and North Twin - 24,276 " " "</p> <p>Jan. 6th, 1936: Ripogenus Elev. 895.02 Storage 000 " " "</p> <p>Chesuncook " 912.88 " 000 " " "</p> <p>North Twin " 487.00 " 9,910 " " "</p> <p>North Twin System 9,910 " " "</p> <p>Small Ponds 000 " " "</p> <p>Total Penobscot Storage 9,910 Mil. Cu. Ft.</p> <p>Dec. 31st, 1934: " Kennebec " 14,150 " " "</p> <p>" 30th, 1935: " " " 8,116 " " "</p> <p>Precipitation for the first five days of January was reported as being 1.65" at Ripogenus; at Millinocket, 2.15" was recorded.</p> <p>Because of heavy rain Friday, January 3rd, Bangor Hydro-Electric Co. gave permission to run both 60 cycle motors on full 24 hour operation until further notice.</p>
No. 4 Grinder Motor - Job 1322	<p>Motor received Thursday, Dec. 2nd. Base of motor set on foundation and stator moved onto the base.</p> <p>Switchgear assembly in control house is nearing completion.</p>
Nos. 22 & 23 Grs. Job 1325	<p>No. 22 grinder complete except for connecting Baxter System ductwork and mounting the stone.</p> <p>No. 23 grinder erected and grouted in place. Now ready for the pipers.</p>
Changes to 16" F.W. Pumps Job 1327	Practically no work accomplished this week.
Smooth Presses #9 & #10 Mchs.	A temporary cone pulley drive was installed on #10 smooth press Sunday, January 5th. Bearings, stands, cone pulleys, etc., are on order for these drives and are scheduled for shipment so as to be in Millinocket Saturday, Jan. 11th.
Paper Machine Hoods - Job 2174	<p>Hoods complete except for welding of trolley runways on #3 &amp; #4 paper machines, and a few small miscellaneous items. One more Sunday should complete this work.</p> <p>Ventilation of machine room with the new hoods is excellent.</p>
Engineering Department	<p>Making isometric drawing of four-foot grinder stone demounting device. Making layout for 2nd suction presses and smooth presses on #7 and #8 paper machines. Working on Canada Falls Dam design. Making layout for new white water line from the Millinocket wet machines. Making C-drawing of Madison Grinder Room.</p> <p>Made physical inventory of Madison Mill and completed inventory of Penobscot mills.</p>
Miscellaneous	<p>F. R. West of this department accompanied C. M. Carrier to Bucksport Thursday, January 2nd for inspection of wide paper machines. They left Millinocket again Saturday night, January 4th, for an inspection of paper machines in Canadian Mills.</p> <p>Harry H. Leathers of Babcock &amp; Wilcox Co. visited Millinocket, Friday, January 3rd.</p>

DATE MAILED

January 6, 1936

SIGNED



Engineer

## WEEKLY NEWS LETTER

FOR WEEK BEGINNING 8 A. M. Dec. 23,

19 35 FROM Engineering Dept.

LETTER NO. 52

## SUBJECT

## DETAIL

## Water Storage

Maximum Capacity of Ripogenus and North Twin	-	45,000	Mil. Cu. Ft.
Dec. 30th, 1934:	" " " "	16,192	" " "
" " " Total including Small Ponds	-	16,192	" " "
10 Yr. Avg. (Dec. 30th) Ripogenus and North Twin	-	25,220	" " "
Dec. 30th, 1935: Ripogenus Elev. 896.70	Storage	000	" " "
Chesuncook " 913.07	"	36	" " "
North Twin " 487.75	"	10,428	" " "
Ripogenus and North Twin System		10,464	" " "
Small Ponds		000	" " "
Total Penobscot Storage		10,464	" " "
Dec. 24th, 1934: " Kennebec "		15,140	" " "
" 23rd, 1935: " " "		8,758	" " "

Precipitation for the first twenty-nine days of December was reported as being 1.40" at Ripogenus; at Millinocket, 1.93" was recorded.

Operated ground wood mills at Millinocket and East Millinocket the full 32 hours of the Xmas shut down without any loss of water at any of the dams, and without shutting off Millinocket Lake. Discharge was held to 2006 c.f.s. during this period.

Bangor Hydro-Electric Co. shut off at East Millinocket at 7:30 A.M. to-day and will be off until about 6 P.M. because of severe ice jam between Sunhaze and Milford which shut down their Bodwell (Milford) Station.

No. 4 Grinder  
Motor - Job  
1322

D. Pescione, General Electric expert, started work on switchboard connections Friday morning, Dec. 27th.

Motor shipped from Schenectady Friday Dec. 27th, -- not received at this writing.

Nos. 22 & 23  
Grinders -  
Job 1325

No. 22 grinder (west end of No. 3 line) erected except for Baxter System and mounting the stone.

Balance of No. 23 grinder received and erection (on west end of No. 2 line) about 50% completed.

Changes to 16"  
G.W. Pumps  
Job 1327

Pits for the two ground wood pumps have been enlarged the necessary amount.

Electricians starting preliminary work on control equipment.

Paper Machine  
Hoods - Job  
2174

No. 1 Machine. Hood completed.

No. 2 Machine. Complete except for welding of one trolley runway.

No. 3 Machine. Complete except for middle row of sprinklers and welding of trolley runways.

No. 4 Machine. Complete except for welding of trolley runways.

Engineering  
Department

Completed preliminary design of new grinder stone mounting. Completed design of cone pulley drives for smooth presses on #9 and #10 machines at Millinocket and ordered necessary material. Working on Canada Falls Dam design. Making layout for new white water line from the Millinocket wet machines. Making C-Drawing of Madison Grinder Room.

Made physical inventory of Millinocket and East Millinocket coal piles Friday, Dec. 27th before arrival of cargo. Figures have not been compiled as yet. Rest of inventory will be made to-morrow and Wednesday, Dec. 31, 1935 and Jan. 1st, 1936 respectively.

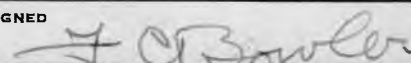
Dict. RVW

(Over)

DATE MAILED

December 30, 1935

SIGNED



Engineer

K. G. Macaulay, Boiler Inspector for Employers' Liability Assurance Corporation visited Friday, Dec. 27th.



## WEEKLY NEWS LETTER

FOR WEEK BEGINNING 8 A. M.

December 16,

19 35

FROM Engineering Department

LETTER NO. 51

## SUBJECT

## DETAIL

## Water Storage

Maximum Capacity of Ripogenus and North Twin	- 45,000 Mil. Cu. Ft.
Dec. 23rd, 1934: " " " "	- 17,579 " " "
" " " Total including Small Ponds	- 17,579 " " "
10 Yr. Avg. (Dec. 23rd) Ripogenus and North Twin	- 26,002 " " "
Dec. 23rd, 1935: Ripogenus Elev. 900.20 Storage	9 " " "
Chesuncook " 913.42 "	218 " " "
North Twin " 488.50 "	10,945 " " "
Ripogenus and North Twin System	11,172 " " "
Small Ponds	000 " " "
Total Penobscot Storage	11,172 Mil. Cu. Ft.
Dec. 17, 1934: " Kennebec "	15,596 " " "
" 16, 1935: " " "	9,438 " " "

Precipitation for the first twenty-two days of December was reported as being 1.40" at Ripogenus; at Millinocket, 1.89" was recorded.

Started Wet Machines at Millinocket to-day noon (Dec. 23rd) in anticipation of Christmas operation. East Millinocket Wet Machines started operating Sunday (Dec. 22nd).

No. 4 Grinder  
Motor - Job  
1322

Switchboard material uncrated and a start made on assembling same in control room.

Nos. 22 and 23  
Grinders - Job  
1325

No. 22 grinder (on west end of No. 3 line) is erected except for Baxter Ventilating system, and some new pocket screws. The screws sent were of the wrong thread gage, but were all right for assembling.

About 1/2 of No. 23 grinder received and being unloaded to-day. Another car to follow.

Changes to 16"  
G.W. Pumps -  
Job 1327

Pit for the North pump has been enlarged to make the necessary room for the pump when it is reassembled on the new base with the new 300 H.P. motor.

Now working on the pit for South pump.

Paper Machine  
Hoods - Job  
2174

No. 1 Machine: Complete except for final closing of uptakes to fan housings with copper.

No. 2 Machine: Complete except for middle row of sprinklers and closing of wet end uptake to fan housing with copper.

No. 3 Machine: Complete except for lighting and middle row of sprinklers.

No. 4 Machine: Complete except for lighting.

In addition to above, the trolley runways under the hoods have got to be welded together on all four machines.

Engineering  
Department

Working on design of new grinder stone flange. Designing cone pulley drives for #9 and #10 paper machine smooth presses. Making design studies of Canada Falls Dam. Making studies of 2-roll paper machine application to Millinocket Mill. Started making C-Drawing of Madison Grinder Room. Assisted Mill and B.&A.R.R. Co. in reinforcing the two bridges over the mill log pond in the Millinocket yard.

Miscellaneous

Frank Partsch of J. O. Ross Engineering Co. visited Monday, Dec. 16th. W. O. McKay visited Penobscot Mills Wednesday and Thursday Dec. 18th and 19th respectively.

Messrs. Robertson & Coghill of Noble & Wood Co. visited Wednesday, Dec. 18th re. their refiner. (Over)

Dict. RVW

DATE MAILED

December 23, 1935

SIGNED

*J. C. Bowler*

Engineer.



## WEEKLY NEWS LETTER

FOR WEEK BEGINNING 8 A. M. December 9th, 1935 FROM Engineering Department

LETTER NO. 50

SUBJECT	DETAIL
Water Storage	<p>Maximum Capacity of Ripogenus and North Twin - 45,000 Mil. Cu. Ft.</p> <p>Dec. 16th, 1934: " " " " - 18,413 " " "</p> <p>" " " Total including Small Ponds - 18,413 " " "</p> <p>10 Yr. Avg. (Dec. 16th) Ripogenus and North Twin - 26,799 " " "</p> <p>Dec. 16th, 1935: Ripogenus Elev. 904.75 Storage 209 " " "</p> <p>Chesuncook " 913.67 " 348 " " "</p> <p>North Twin " 489.20 " 11,430 " " "</p> <p>Ripogenus and North Twin System 11,987 " " "</p> <p>Small Ponds 0,000 " " "</p> <p>Total Penobscot Storage 11,987 Mil. Cu. Ft.</p> <p>Dec. 10th, 1934: " Kennebec " 16,195 " " "</p> <p>" 9th, 1935: " " " 9,600 " " "</p> <p>Precipitation for the first fifteen days of December was reported as being 0.98" at Ripogenus; at Millinocket, 1.57" was recorded.</p> <p>Snowing hard to-day -- about 10 inches at 4 P.M. and still snowing.</p> <p>Millinocket Lake gates opened Tuesday, Dec. 10th, so as to discharge approximately 150 c.f.s.</p>
No. 4 Grinder Motor - Job 1322	<p>New concrete floor around foundation completed.</p> <p>All underground piping in place.</p> <p>Switchboard material received from G. E. Co., and has been hauled to the control room.</p>
3rd Transformer Job 1323	<p>The third transformer has been installed in place on existing foundation, oil filtered, electrical connections made, and is now in service.</p>
Nos. 22 & 23 Grinders Job 1325	<p>No. 22 grinder is practically assembled on the west end of No. 3 line. Piping crew are now installing the necessary piping on the grinder itself.</p>
16" G.W. Pump Job 1327	<p>Work not started. Pump parts received but new 300 H.P. motors and control equipment not on hand as yet.</p>
Paper Machine Hoods - Job 2174	<p><u>No. 1 Machine:</u> Uptakes to fans completed except for copper closure pieces to the fan housing.</p> <p><u>No. 2 Machine:</u> Uptakes to fans practically completed except for copper closure pieces to fan housings.</p> <p><u>No. 3 Machine:</u> Wet end uptake complete including copper to fan housing; dry end uptake complete except for copper to fan housing. A start made on the middle uptake.</p> <p><u>No. 4 Machine:</u> Wet end and dry end uptakes complete including copper to fan housings. A start made on the middle uptake.</p> <p>Two lines of sprinklers installed in each hood.</p>
60 Cycle Motor Lower Mill	<p>Rewinding of No. 5 motor was completed and put onto 60 cycle service at 3:45 P.M. Wednesday, Dec. 11th.</p>
Engineering Department	<p>Completed retracing grinder drawings so as to have a record of the first 21 grinders installed at Millinocket, as well as the last 3 which have just recently been purchased. Designing cone pulley drives for #9 and #10 smooth press drives as the Reliance Electric drive furnished by Rice-Barton &amp; Fales have failed to function properly to date. Making preliminary study of Canada Falls dam. Making studies of paper machine installation at Millinocket. Completed and now checking a new C-drawing</p>
Dict. RVW	
(Over)	
DATE MAILED	Dec. 16, 1935
SIGNED	JCBowler
	Engineer.





## WEEKLY NEWS LETTER

FOR WEEK BEGINNING 8 A. M. December 2nd, 19 35 FROM Engineering Department LETTER NO. 49

SUBJECT	DETAIL
Water Storage	<p>Maximum Capacity of Ripogenus and North Twin - 45,000 Mil. Cu. Ft.</p> <p>Dec. 9th, 1934: " " " " - 18,967 " " "</p> <p>" " " Total including Small Ponds - 18,967 " " "</p> <p>10 Yr. Avg.(Dec. 9th) Ripogenus and North Twin - 27,389 " " "</p> <p>Dec. 9th, 1935: Ripogenus Elev. 907.15 Storage 323 " " "</p> <p>Ghesuncook " 913.90 " 468 " " "</p> <p>North Twin " 489.20 " 11,430 " " "</p> <p>Ripogenus and North Twin System 12,221 " " "</p> <p>Small Ponds 9,000 " " "</p> <p>Total Penobscot Storage 12,221 Mil. Cu. Ft.</p> <p>Dec. 3rd, 1934: " Kennebec " 15,569 " " "</p> <p>" 1st, 1935: " " " 9,622 " " "</p> <p>Precipitation for the first eight days of December was reported as being 0.15" at Ripogenus; at Millinocket, 0.24" was recorded. Snowing hard at this writing (4 P.M.), about 4 inches having fell since this morning.</p> <p>Ripogenus date reopened 5:30 P.M. Wednesday, Dec. 4th, by permission of President Whitcomb.</p>
Acid Tank Job 1318	Tank all erected and in service.
Store & Core Rm Roof - Job 1321	This job will not be reported again as it is complete except for the electricians installing a new lighting system in the store room.
No. 4 Grinder Motor - Job 1322	Underground piping for high pressure governor water practically completed.
3rd Transformer Job 1323	The transformer was hauled from the mill yard to-day (Dec. 9th) and at present is within the fence enclosure of the sub-station across the river.
Nos. 22 & 23 Grinders - Job 1325	One complete grinder received and a start made on the installation of same on the west end of No. 3 line.
16" G.W. Pumps Job 1327	New pump parts received but the 300 H.P. motors have not yet arrived.
Paper Machine Hoods - Job 2174	<p>No. 1 Machine:- Same as reported on previous letters.</p> <p>No. 2 Machine:- Main hood, side drop panels and two-thirds of sprinklers installed.</p> <p>No. 3 Machine:- Same as No. 2 Machine.</p> <p>No. 4 Machine:- Hood and drop panels all installed. No sprinkler or lighting started.</p> <p>Exhaust uptakes started on all four of the hoods, some of them being all erected except for the final closure piece of copper to the fan housing.</p>
Copper Coil Installation Job 2177	Copper coils installed into ground stock spout from the grinders Tuesday, Dec. 3rd. The system is now ready for Breau of Economy test as to results obtained.

(Over)

DATE MAILED

December 9th, 1935

SIGNED

J. C. Sawyer

Engineer.



**60 Cycle Motor  
Lower Mill**

No. 6 grinder motor was started up on 60 cycle current Wednesday night, Dec. 4th, at 8 P.M. and ran satisfactorily.

No. 5 motor was shut down Saturday morning, Dec. 7th, and work started on rewinding. Mr. Butterfield, G. E. expert, arrived Saturday night, Dec. 7th. All of the necessary parts which were ordered by telephone some time ago, arrived by express this morning, Dec. 9th.

**Engineering  
Department**

Retracing grinder drawings so as to have a complete record of how the first twenty-one grinders were built, — existing drawings having been revised for purchase of grinders 22, 23 and 24. Making studies of smooth press and suction second press installation for Nos. 7 and 8 paper machines at Millinocket. Making preliminary study of Canada Falls dam. Making studies of paper machine installation at Millinocket. Revised C-Drawing of sulphite screen room at Madison and starting to revise G.W. Screen Room at same mill. One man, one day staking out storm sewer project for Town of East Millinocket.

**Miscellaneous**

Mr. G. I. Pippin of Ingersoll-Rand Co. visited Wednesday, Dec. 4th. re white water pump for East Millinocket mill.

Mr. Estes, inspector of the Factory Assurance Association called Thursday, Dec. 5th while making his regular inspection of the Penobscot Mills.

## WEEKLY NEWS LETTER

FOR WEEK BEGINNING 8 A. M. Nov. 25, 1935 FROM Engineering Department LETTER NO. 48

SUBJECT	DETAIL
Water Storage	<p>Maximum Capacity of Ripogemus &amp; North Twin - 45,000 Mil. Cu. Ft.</p> <p>Dec. 2nd, 1934; " " " - 18,039 " " "</p> <p>" " " Total including Small Ponds - 18,039 " " "</p> <p>10 Yr. Avg. (Dec. 2nd) Ripogemus &amp; North Twin - 26,765 " " "</p> <p>Dec. 2nd, 1935: Ripogemus Elev. 912.32 Storage 547 " " "</p> <p>Chesuncook " 913.69 " 359 " " "</p> <p>North Twin " 490.30 " 12,200 " " "</p> <p>Ripogemus &amp; North Twin System 13,106 " " "</p> <p>Small Ponds 0,000 " " "</p> <p>Total Penobscot Storage 13,106 Mil. Cu. Ft.</p> <p>Nov. 26th, 1934: " Kennebec " 13,794 " " "</p> <p>" 25th, 1935: " " " 9,651 " " "</p> <p>Precipitation for November was reported as being 3.93" at Ripogemus; at Millinocket, 5.25" was recorded.</p> <p>Ripogemus Dam closed off tight at 11 A.M. Friday, Nov. 29th by order of President Whitcomb.</p>
Smooth Press #10 Machine Job 1317	Work completed.
Acid Tank Job 1318	Tank all erected, ready to be filled with water for swelling purposes. Pipers making preparations to connect to acid system.
Smooth Press #9 Machine - Job 1320	Smooth press installed on #9 machine Sunday, Dec. 1st, and started up very satisfactorily this morning, Dec. 2nd.
Store & Core Rm. Roof - Job 1321	Very little accomplished on electrical work due to the smooth press installations.
No. 4 Grinder Motor - Job 1322	Foundation completed and backfilled. Floor of motor pit concreted. Breaking out existing old concrete floor around foundation so as to drop it to the new grade.
3rd Transformer Job 1323	Transformer on hand but work not started.
Paper Machine Hoods - Job 2174	<p><u>On No. 1 Machine:-</u> Same as last week.</p> <p><u>On No. 2 Machine:-</u> The main hood, including the eaves at both ends, is erected.</p> <p><u>On No. 3 Machine:-</u> The main hood, drop panels on the two sides, and two-thirds of the sprinklers are installed in place.</p> <p><u>On No. 4 Machine:-</u> Old hood demolished and removed. Structural steel trolley runways, and supports for hood erected. About 50 percent of the main hood panels in place.</p>
Copper Coil In- stallation Job 2177	Present plans call for installation of tubing to-morrow (Tuesday) Dec. 3rd.
60 Cycle Motor Lower Mill.	No. 6 Grinder Motor shut down Saturday morning, Nov. 30th. The old 40 cycle coils have been removed from the rotor and the new 60 cycle coils installed.
Dict. RVW	Mr. Butterfield, G. E. expert, with assistance of mill electricians is changing the leads on the stator. (over)

DATE MAILED

December 2, 1935

SIGNED

J. C. Bowler

Engineer

60 Cycle Motor  
Lower Mill  
Continued

Changes to the switch structure in the control room will be made to-morrow (Tuesday) Dec. 3rd, while the grinder room is down for the copper coil job mentioned above.

Engineering  
Department

Two men practically all week on tracings of Ramsey Valves. Started studies of smooth press installation and 2nd suction presses for Nos. 7 & 8 paper machines. Preliminary drawings of Ragged Lake Dam completed and now starting preliminary study of Canada Falls Dam. Making study of new paper machine auxiliary equipment for Millinocket Mill. Revising C-Drawing of Madison Screen Room. One man, all one day, staking out storm-sewer project for Town of East Millinocket.

### Miscellaneous

C. A. Buchanan, Chief Engineer for Donnacona Mill, visited Monday and Tuesday Nov. 25th and 26th re. Great Northern Grinders. Harry Leathers of Babcock & Wilcox Co., visited Friday, Nov. 29th.

## WEEKLY NEWS LETTER

FOR WEEK BEGINNING 8 A. M. Nov. 18,

19 35 FROM Engineering Department

LETTER NO. 47

SUBJECT

DETAIL

## Water Storage

Maximum Capacity of Ripogenus and North Twin	-	45,000 Mil. Cu. Ft.
Nov. 25th, 1934:	" " " "	17,166 " " "
" " " Total including Small Ponds	-	17,166 " " "
10 Yr. Avg. (Nov. 25th) Ripogenus and North Twin	-	27,294 " " "
Nov. 25th, 1935: Ripogenus Elev. 910.57	Storage	470 " " "
Chesuncook " 914.17	"	615 " " "
North Twin " 490.65	"	12,445 " " "
Total Penobscot Storage		13,530 Mil. Cu. Ft.
Nov. 19th, 1934: " Kennebec "		12,950 " " "
" 18th, 1935: " " "		9,799 " " "

Precipitation for the first twenty-four days of November was reported as being 2.98" at Ripogenus; at Millinocket 3.58" was recorded.

Smooth Press  
#10 Machine  
Job 1317

Installation in service since last Monday, Nov. 18th, and running very satisfactorily.

Acid Tank  
Job 1318

Staves of tank practically all in place, ready for the iron hoops.

Smooth Press #9  
Machine - Job  
1320

Rice, Barton & Fales equipment including bottom chromium plated roll received Saturday morning, Nov. 23rd.

Bearings & Shaft for generator drive; also stand for motor were set Sunday, Nov. 24th, so that the generator and motor may be lined up during the week.

Store & Core  
Room Roof -  
Job 1321

Work completed except for electricians. They have some circuit work and new lights to install before the job can be completed.

No. 4 Grinder  
Motor - Job  
1322

Concrete foundation poured Friday, Nov. 22nd and forms are being removed to-day, Nov. 25th.

3rd Transformer  
Job 1323

Work not started.

Paper Machine  
Hoods - Job  
2174

On No. 1 Machine:- Main hood, one up-take, drop panels on two sides, electric lights and two-thirds of sprinklers are in place.

On No. 2 Machine:- The old hood was removed yesterday, Nov. 24th, and supporting steel for the hood panels and trolley runways installed.

On No. 3 Machine:- Main hood panels all in place and a start made on the uptakes.

Copper Coil In-  
stallation  
Job 2177

Material all on hand. In order not to pass water by East Millinocket Dam, it is planned to install the copper coils in the stock spout some week day when there is enough stock ahead to permit the installation. During the shut-down we will run the motors as generators in order to utilize the water.

Repairs to Dolby  
Generators

Repairs to No. 4 and No. 5 generators completed and both back in active service.

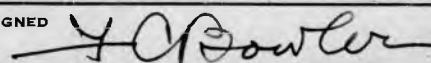
Engineering  
Department  
Dict. RVW

Making studies of paper machine installation for Millinocket Mill. Working on drawings for Ragged Lake Dam. Detailed new steel stock spout for Madison Screen Room. Two men working on tracings of Ramsey Valves, four tracings completed to-date. (Over)

DATE MAILED

Nov. 25, 1935

SIGNED



Engineer



ST	04	120	000,00
"	"	"	001,71
"	"	"	001,71
"	"	"	000,00
"	"	"	070
"	"	"	2,00
"	"	"	000,00
ST	05	120	000,00
"	"	"	001,71
"	"	"	001,71

C. A. Buchanan, Chief Engineer for Donnacona Mill, arrived to-day to learn about Great Northern grinders, at suggestion of A. E. G. Madley.

How investment should be made.  
for American foreign loans. Two new articles on foreign exchange  
writing on strategy for foreign loans. Detailed and actual views  
making studies of paper money institutions for investment and



## WEEKLY NEWS LETTER

FOR WEEK BEGINNING 8 A. M.

Nov. 11,

19 35 FROM

Engineering Department

LETTER NO.

46

SUBJECT	DETAIL
Water Storage	<p>Maximum Capacity of Ripogenus and North Twin - 45,000 Mil. Cu. Ft.</p> <p>Nov. 18th, 1934: " " " " - 15,949 " " "</p> <p>" " " Total including Small Ponds - 16,060 " " "</p> <p>10 Yr. Avg. (Nov. 18th) Ripogenus and North Twin - 26,567 " " "</p> <p>Nov. 18th, 1935: Ripogenus Elev. 914.97 Storage 1,854 " " "</p> <p>Chesuncook Est. " 915.36 " 150 " " "</p> <p>North Twin " 491.10 " 12,760 " " "</p> <p>Total Penobscot Storage 14,764 Mil. Cu. Ft.</p> <p>Nov. 12th, 1934: " Kennebec " 13,293 " " "</p> <p>" 11th, 1935: " " " 9,422 " " "</p> <p>Precipitation for the first seventeen days of November was reported as being 2.74" at Ripogenus; at Millinocket, 2.76" was recorded. This includes a snow storm which started about 10 o'clock Sunday night and which at 8 o'clock this morning is reported as follows: Ripogenus 7" = 0.65" water; Millinocket 4-1/2" = 0.73" water. It is still snowing at this writing 4 PM.</p>
Smooth Press #10 Machine Job 1317	<p>Smooth press for No. 10 machine installed Sunday, Nov. 17th and except for a little doctor trouble, started up very nicely.</p>
Acid Tank Job 1318	<p>The bottom, the inside supporting frame, and the top of the tank are in place. Now installing the staves.</p>
Smooth Press #9 Machine Job 1320	<p>Electrical material and rolls on hand and Rice, Barton &amp; Fales have made shipment on their material.</p> <p>Hood modified for installation of press.</p>
Store & Core Rm. Roof - Job 1321	<p>Partitions that were removed during steel erection have been replaced with new hyrib and plaster.</p>
No. 4 Grinder Motor - Job 1322	<p>Excavation completed and millwrights building form for new foundation.</p> <p>Electricians getting their conduit ready for the wires which go from the control house to the motor pit.</p>
3rd Transformer Job 1323	<p>The third transformer for the grinder motors was received and unloaded at the mill, Tuesday, Nov. 12th.</p>
Paper Machine Hoods - Job 2174	<p>On No. 1 machine, panels forming the main hood have all been installed; also the wet end uptake has been installed except for the final connection onto the fan intake.</p> <p>On No. 3 machine, the old wooden frame has been removed. The supporting steel for the hood panels and the trolley runways are installed.</p>
Copper Coil In- stallation - Job 2177	<p>Headers and special fittings have been received from Millinocket Foundry Co.</p> <p>Copper tubing shipped from Boston Thursday night, Nov. 14th.</p> <p>All preliminary work completed.</p>
Repairs to Dolby Generators	<p>No. 4 generator repaired and in service.</p> <p>No. 5 generator repaired and reassembled and will probably go on the line late this afternoon, Nov. 18th.</p>
Engineering Department	<p>Making studies of copper water coils in groundwood stock spout and bull screen at Millinocket Mill. Making studies of paper machine installation for Millinocket Mill. Completed layout for smooth press on #9 paper machine. Completed layout for Bird Screen installation at Madison. Making studies of new concrete dam section for Ragged Lake.</p>
Dict. RVW	

DATE MAILED (Over)

Nov. 18, 1935.

SIGNED

J. C. Bawler Engineer.

Walter Handley and F. Davis of Madison Mill visited Wednesday and Thursday, Nov. 13th and 14th respectively.

Norman S. Meese of the U. S. Tariff Commission visited Friday, Nov. 15th.

[illegible]

Investigation for the first seven days of November was reported as being 8.7% at Hingham at Millishead, 8.0% was reported. The inclusion of some stars which started about 10 o'clock today also was which at 8 o'clock this morning is reported as follows: Hingham 7.0.0% where Millishead 8.1% = 0.0% water. It is still raining at this writing 4 PM.

in plain, low sounding the speaker  
The system, the female speaking from, and the top of the head the  
average for a little better trouble, started up very slowly.  
Smooth press for No. 10 machine installed Sunday, Nov. 1918 and

Lead modified for identification of source.  
Have made shipment to their material.  
Electrical material and value as listed below, under a single

...and the fact that the ...

from the control panel to the water pit.

The third transformation for the Russian culture was presented and  
announced at the 1911 Congress. Nov. 1911.

On No. 1 machine, pencil marking the wire has all been in-  
cluded; also the wire and spools has been included except for the (2nd)  
connection onto the fan motor.

On No. 3 machine, the old wooden frame has been removed. The supporting steel for the hand wheel and the driving pinions are installed.

Headquarters and Special Field Office have been advised from Birmingham

Letter today shipped from Boston Thursday night, Nov. 14th.  
All well, many thanks.

the late this afternoon, Nov. 1912.  
No. 2 generator repaired and reconnected and will probably be in  
No. 4 generator repaired and in service.

Nothing strikes of upper water coils in groundless after night  
and full waves at Millwood Hill, making studies of paper machine  
industrialization for Millwood Hill, Unpublished report for month years in  
the paper machine. Detailed report for the paper industrialization at  
Millwood, making studies of new equipment and making the paper machine

1990] *Journal of the American Academy of Child and Adolescent Psychiatry*

## WEEKLY NEWS LETTER

FOR WEEK BEGINNING 8 A. M.

Nov. 4,

19 35 FROM

Engineering Department

LETTER NO. 45

## SUBJECT.

## DETAIL

<b>Water Storage</b>  <b>Smooth Press #10 Machine - Job 1317</b>  <b>Acid Tank - Job 1318</b>  <b>Smooth Press #9 Machine - Job 1320</b>  <b>Store &amp; Core Rm Roof - Job 1321</b>  <b>No. 4 Grinder M/o. Job 1322</b>  <b>Paper Machine Hoods - Job 2174</b>  <b>Spur Track Job 2176</b>  <b>Copper Coil Installation Job 2177</b>  <b>Repairs to Generators at Dolby</b>   <b>Dict. RVW</b>	<p>Maximum Capacity of Ripogenus and North Twin - 45,000 Mil. Cu. Ft.  Nov. 11th, 1934: " " " " - 15,488 " " "  " " " Total including Small Ponds - 18,250 " " "  10 Yr. Avg. (Nov. 11th) Ripogenus and North Twin - 26,521 " " "  Nov. 11th, 1935: Ripogenus Elev. 915.93 Storage 2,505 " " "  Chesuncook " 916.77 " 170 " " "  North Twin " 491.15 " 12,795 " " "  Total Penobscot Storage 15,470 Mil. Cu. Ft.  Nov. 5th, 1934: " Kennebec " 12,897 " " "  " 4th, 1935: " " " 10,279 " " "</p> <p>Rainfall for the first ten days of November was reported as being 0.53" at Ripogenus; at Millinocket, 0.34" was recorded.</p> <p>Chromium plated bottom roll received to-day, November 11th. All equipment is now on hand.</p> <p>Old tank demolished and starting to erect the new tank.</p> <p>Wet end of dryer hood remodelled so as to make room for smooth press trolley.</p> <p>Mill crew has replaced hyrib on partition walls and are all ready to plaster same.  Electricians have pulled the wires for the new circuits and there is about two Sundays more work to complete.</p> <p>Excavation for new foundation completed. Cutting hole thru arch for pit drain.  Starting formwork for new foundations.</p> <p>Started hood work Sunday, November 10th. The old hood from No. 1 paper machine was removed, new trolley runways installed, supporting steel for the hoods installed, and about 25% of the main panels bolted in place.</p> <p>Track completed and in service.</p> <p>Motor and pump have been set into their respective positions. Waiting for copper tubing.</p> <p>No. 4 generator repaired and in service.  No. 5 generator will probably be ready for assembly the latter part of this week.  The original water wheels in units 5, 6, &amp; 7 are getting to a point where they require considerable repairs and cause excessive shut-downs. No. 7 unit was down last week for 2-1/2 days and is down again to-day for at least a day and a half. Last winter this same unit was down for a long period when runner shaft, draft tube elbows, etc. broke. These 3 water wheels will have to be replaced before long.</p>
--	--

(Over)

DATE MAILED

November 11, 1935

SIGNED

J. C. Bowler

Engineer

Engineering  
Department

Completed layout for installation of the 16" Cameron G.W. pumps at Millinocket, when mounted on their new bases with 300 H.P. motors. Started layout for installation of copper water coils in G.W. stock spout at Millinocket Mill. Making studies of paper machine installations for Millinocket Mill. Making layout for Bird sulphite screen at Madison. Making studies of new concrete dam for Ragged Lake. Two men worked 3-1/2 days with Federal Engineer making topographical survey of new Post Office Site at Millinocket. Making re-survey of Millinocket sulphur.

MISCELLANEOUS

William Hilton and John McLeod called Wednesday, Nov. 6th.  
H. Fonda of S.K.F. Bearings Co., visited Thursday, Nov. 7th.  
P. C. Newbegin, BAA Chief Engineer visited to-day, Nov. 11th.



## WEEKLY NEWS LETTER

FOR WEEK BEGINNING 8 A. M. Oct. 28,

19 35 FROM Engineering Department LETTER NO. 44

SUBJECT	DETAIL
Water Storage	<p>Maximum Capacity of Ripogemus and North Twin - 45,000 Mil. Cu. Ft.</p> <p>Nov. 4th, 1934: " " " " - 16,185 " " "</p> <p>" " " Total including Small Ponds - 19,427 " " "</p> <p>10 Yr. Avg. (Nov. 4th) Ripogemus and North Twin - 26,628 " " "</p> <p>Nov. 4th, 1935: Ripogemus Elev. 918.82 Storage - 4,664 " " "</p> <p>North Twin " 491.00 " 12,690 " " "</p> <p>Ripogemus and North Twin " 17,354 " " "</p> <p>Small Ponds " 0,000 " " "</p> <p>Total Penobscot Storage 17,354 Mil. Cu. Ft.</p> <p>Oct. 29th, 1934: " Kennebec " 13,592 " " "</p> <p>" 28th, 1935: " " " 11,503 " " "</p> <p>Rainfall for the month of October was reported as being 1.09" at Ripogemus; at Millinocket, 0.96" was recorded.</p>
Smooth Press #10 Mch - J-1317	Job inactive. Rubber covered roll received, but still waiting for chromium plated roll.
Acid Tank Job 1318	New tank on hand. Old tank is practically demolished at this writing.
Smooth Press #9 Machine - J 1320	Started re-modeling wet end of dryer hood Sunday, Nov. 3rd.
Store & Core Rm. Roof - Job 1321	Hahnel Brothers' roofing crew have installed the insulation and waterproofing which makes the roof deck entirely completed. Electricians now installing the new circuits under the roof.
#4 Grinder Motor Job 1322	Mill crew started excavation for foundation of No. 4 grinder motor, Thursday, Oct. 31st. Steel hood for motor, and underground piping is on hand.
Paper Machine Hoods - J 2174	Hood material from J. O. Ross Engineering Co. has been received and last car being unloaded to-day, Nov. 4th. Unload of 10" I-Beams for trolleys under the hoods received from Megquier & Jones Co. to-day, Nov. 4th. Waiting for tie rods, turnbuckles, etc. from Megquire & Jones before installation of hoods can be started.
Spur Track Job 2176	Switch for main line received this morning, Nov. 4th, and hope to get installed before night so as to put cars over the new spur to-morrow.
Copper Coil In- stallation Job 2177	Hole made thru river wall, and floor inside of wall, to facilitate installation of copper tubing in the stock spout upon its arrival. Making preparations to set motor and pump.
Repairs to Gens. #4 & #5 at Dolby	No. 4 generator put into service Thursday afternoon, Oct. 31st. Coils for No. 5 generator are on hand, and a start made on the installation of same.
Engineering Department	Completed drawings, job record, and issued requisitions for the copper coil installation in stock spout at East Millinocket. Started layout for installation of the 16" Cameron Ground Wood pumps at Mkt. when mounted on their new bases with 300 H.P. motors. Making study of Deluge Valve for conveyor to Millinocket chip left. Working on paper machine studies for Millinocket Mill. Making layout for Bird Sulphite Screen installation at Madison Mill. Made physical inventories at all three mills. Two men two days with Federal Engineer making survey of new Post Office site.
Dict. RVW	(Over)

DATE MAILED

Nov. 4, 1935

SIGNED

J. O. Bowler

Engineer





## WEEKLY NEWS LETTER

FOR WEEK BEGINNING 8 A. M.

October 21st,

1935

FROM

Engineering Department

LETTER NO. 43

## SUBJECT

## DETAIL

## Water Storage

Maximum Capacity of Ripogenus and North Twin	-	45,000 Mil. Cu. Ft.
October 28th, 1934:	" " " "	17,294 " " "
" " " Total including Small Ponds	-	20,536 " " "
10 Yr. Avg. (Oct. 28th) Ripogenus and North Twin	-	26,913 " " "
Oct. 28th, 1935: Ripogenus Elev. 921.90 Storage		7,141 " " "
North Twin " 490.55 "		12,375 " " "
Ripogenus and North Twin "		19,516 " " "
Small Ponds		0,000 " " "
Total Penobscot Storage		19,516 Mil. Cu. Ft.
Oct. 22, 1934: " Kennebec "		14,354 " " "
" 21, 1935: " " "		12,750 " " "

Rainfall for the first twenty-seven days of October was reported as being 1.09" at Ripogenus; At Millinocket, 0.96" was recorded.

## Smooth Press #10

Mch. - Job  
1317

Job inactive awaiting arrival of the press rolls.

Acid Tank  
Job 1318

Material for the tank received to-day, October 28th, and is being unloaded.

Store & Core Rm.  
Roof - Job  
1321

Concrete deck completed, forms removed, and H. J. Deutschbein crew laid off Thursday, October 24th.

Hahnel Brothers' roofing crew on the job and the 1" celotex insulation and the rag felt is entirely installed at this writing. Roof is now ready for copper flashing and gravel stop, before applying final coat of tar and gravel.

Paper Machine  
Hoods - Job  
2174

Structural steel for support of all four hoods received. A car-load of transite panels is reported as in the yard to-day, Oct. 28th. This car is supposed to contain the necessary material for a complete hood on #1 paper machine.

Spur Track -  
Job 2176

Diesel shovel unloaded and stored in Spruce Wood yard at Millinocket. Necessary repairs made to put shovel in first-class operating condition, before releasing the mechanic-operator.

About 1300 lineal feet of track has been laid on ties, and are ready to be brought to final grade. Hard pine ties are in place for the switch at the main line, also for the switch above the conveyor tower. Bangor & Aroostook have not shipped all of the switch parts yet.

Repairs to Gens.  
4 & 5 @ Dolby

Two G. E. Co. armature winders working with mill electricians and expect to start reassembling No. 4 generator to-morrow, Oct. 29th. It will probably require some drying out before it can go into service.

Latest information on hand from G. E. Co. is that they expect to ship material for #5 generator Oct. 30 or 31st.

North Twin Re-  
pairs - Job 417

Work now entirely completed and H. J. Deutschbein crew laid off Wednesday night, Oct. 23rd.

Engineering  
Department

Working on layout to heat water for wood storage room at East Mkt., (copper tubing which will be submerged in stock spout has been requisitioned). Completed drawings for the paper machine hoods at East Millinocket. Made general plan of spur track for unloading pulpwood at East Millinocket. Starting layout for Deluge Valve in conveyor to

Dict. RVW

DATE MAILED

October 28, 1935

SIGNED

J. C. Bowler Engineer



GREAT NORTHERN PAPER COMPANY  
WEEKLY NEWS LETTER

FOR WEEK BEGINNING 8 A. M. **October 14, 1935** FROM **Engineering Department** LETTER NO. **42**

SUBJECT	DETAIL
Water Storage	<p>Maximum Capacity of Ripogenus and North Twin - 45,000 Mil. Cu. Ft.</p> <p>October 21st, 1934: " " " " - 17,754 " " "</p> <p>" " " Total including Small Ponds - 20,996 " " "</p> <p>10 Yr. Avg. (Oct. 21st) Ripogenus and North Twin - 27,147 " " "</p> <p>Oct. 21st, 1935: Ripogenus Elev. 924.17 Storage 9,059 " " "</p> <p>North Twin " 490.50 " <u>12,340</u> " " "</p> <p>Ripogenus and North Twin " 21,399 " " "</p> <p>Small Ponds " <u>0.000</u> " " "</p> <p>Total Penobscot Storage 21,399 Mil. Cu. Ft.</p> <p>Oct. 15, 1934: " Kennebec " 15,146 " " "</p> <p>" 14th, 1935: " " " 13,990 " " "</p> <p>Rainfall for the first twenty days of October was reported as being 0.75" at Ripogenus; at Millinocket, 0.51" was recorded.</p>
Pulpwood Trestle Job 1312	Completed to-day, October 21st.
Smooth Press #10 Machine - Job 1317	Much preliminary work done. Installation awaiting arrival of rolls.
Acid Tank Job 1318	Nothing done past week. Awaiting arrival of tank.
Sulphite Pulp Storage- Job 1319	Completed and put in service last week.
Store Room & Core Rm. Roof Job 1321	Concrete deck completed. A small crew is now removing forms and shoring. Cellotex and waterproofing shipped October 14th - not yet received.
Paper Machine Hoods - Job 2174	Structural steel from Ross Engineering Corp. for ridge and eaves of all hoods received last week. Next shipment will be complete hood for No. 1 machine.
Spur Track Job 2176	Sub grade completed and ballast spread. Power shovel shipped to Spruce Wood Department, Millinocket, to-day. Switch ties and rails delivered and unloaded to-day. Line ties and switches expected to-morrow.
Repair of Gens. 4 & 5 at Dolby	Working on both generators. One General Electric Armature winder arrived this morning. Hope to have No. 4 generator in service in ten days. No. 5 to follow about one week later.
North Twin Repairs - Job 417	Repair work all completed. A few men cleaning up the premises. Will be done this week.
Engineering Department	Revised Great Northern Grinder drawings, made detail drawing of hoods for East Millinocket. Made drawing to cover auxilliary water supply for Anson generator steady bearings. One man all week on plan and supervision of sub grade and ballast for spur track at East Millinocket. Prouty making survey at Canada Falls Dam.
	Dict. FCB

DATE MAILED

October 21, 1935

SIGNED

*J. C. Bowler*

Engineer.



## WEEKLY NEWS LETTER

FOR WEEK BEGINNING 8 A. M. Oct. 7, 1935

19

FROM Engineering Department

LETTER NO. 41

SUBJECT	DETAIL
Water Storage	<p>Maximum Capacity of Ripogenus and North Twin - 45,000 Mil. Cu. Ft.</p> <p>October 14th, 1934: " " " " - 18,794 " " "</p> <p>" " " Total including Small Ponds - 21,977 " " "</p> <p>10 Yr. Avg. (Oct. 14th) Ripogenus and North Twin - 28,036 " " "</p> <p>Oct. 14th, 1935: Ripogenus Elev. 926.20 Storage 10,819 " " "</p> <p>North Twin " 490.40 " 12,270 " " "</p> <p>Ripogenus and North Twin " 23,089 " " "</p> <p>Small Ponds " 0,000 " " "</p> <p>Total Penobscot Storage 23,089 Mil. Cu. Ft.</p> <p>Oct. 8th, 1934: " Kennebec " 16,519 " " "</p> <p>" 7th, 1935: " " " 15,407 " " "</p> <p>Rainfall for the first thirteen days of October was reported as being 0.50" at Ripogenus; at Millinocket, 0.45" was recorded.</p>
Pulpwood Trestle Job 1312	All except the last five bays of the trestle have been redecked and put in service.
Smooth Press No. 10 Machine Job 1317	Still waiting for arrival of press rolls. Promised shipment Saturday, Oct. 12th.
Acid Tank Job 1318	Job inactive, awaiting arrival of the tank.
Sulphite Pulp Storage - Job 1319	Both inside and outside piping practically completed. Expect to use tank for sulphite this week.
Store Room & Core Room Roof Job 1321	Three-quarters of the concrete roof deck has been poured in place. Starting to remove forms from North end of roof. Reinforcing last two trusses in the store room side.
Spur Track Job 2176	The Diesel shovel and a fleet of three dump trucks have got about 90% of the roadbed to rough grade. Installing new poles so as to raise the single circuit transmission line to give the necessary clearance over the the new track.
North Twin Repairs - Job 417	Repairs to gates, gateways and concrete structure now completed. A small crew removing the construction equipment to suitable storage; demolishing old office and storage buildings, and cleaning up around the entire job.
Engineering Department	Revising four-foot grinder drawings. Making detailed drawings of hoods for East Millinocket paper machines. Making drawing of East Millinocket spur track for unloading pulpwood. Making drawing covering new strainers and piping rearrangement supplying water to Anson water wheel guide bearings. Making drawing of proposed size press for Madison No. 2 paper machine. Figured inventories for all three mills. One man on vacation all week. Repairs to Ragged Lake Dam completed and Prouty back in office Monday, Oct. 7th. Started Mr. Prouty for Canada Falls dam to-day, Oct. 14th to make necessary survey for designing new concrete gate section this winter.
Miscellaneous	<p>P. C. Newbegin, Chief Engineer of Bangor &amp; Aroostook Railroad Co. visited Tuesday, Oct. 8th.</p> <p>Frank Sillman, General Manager of Bangor Hydro-Electric Co. visited Wednesday, Oct. 9th.</p> <p>Dict. RVW</p>

(Over)

DATE MAILED

October 14, 1935

SIGNED

J. C. Bowler

Engineer.



Miscellaneous  
Continued

P. Collins of Warren Pump Co. visited Thursday, Oct. 10th.  
Generators #4 and #5 at Dolby were damaged Sunday afternoon  
(Oct. 13th) by a short circuit. Exact cause and total damage not  
known at this writing.

10 Yr. Avg. (Oct. 1934) Hipogonads and North Twin	28,036	10,219
Oct. 1934, 1935: Hipogonads Elev. 926.20 Storage	10,219	10,219
North Twin " 480.40	28,036	10,219
Hipogonads and North Twin	28,036	10,219
Small Ponds	28,036	10,219
Total Pondage Storage	28,036	10,219
Oct. 8th, 1934: " " " " " "	10,219	10,219
" " " " " " " "	10,219	10,219

Oct. 13th, 1935: Hipogonads and North Twin  
Generators #4 and #5 at Dolby were damaged Sunday afternoon  
(Oct. 13th) by a short circuit. Exact cause and total damage not  
known at this writing.

10 Yr. Avg. (Oct. 1934) Hipogonads and North Twin	28,036	10,219
Oct. 1934, 1935: Hipogonads Elev. 926.20 Storage	10,219	10,219
North Twin " 480.40	28,036	10,219
Hipogonads and North Twin	28,036	10,219
Small Ponds	28,036	10,219
Total Pondage Storage	28,036	10,219
Oct. 8th, 1934: " " " " " "	10,219	10,219
" " " " " " " "	10,219	10,219

## WEEKLY NEWS LETTER

FOR WEEK BEGINNING 8 A. M.

Sept. 30th,

1935 FROM

Engineering Dept.

LETTER NO. 40

SUBJECT	DETAIL
Water Storage.	<p>Maximum Capacity of Ripogenus &amp; North Twin - 45,000 Mil. Cu. Ft.</p> <p>October 7th, 1934 " " " " - 19,920 " " "</p> <p>" " " Total Including Small Ponds - 23,103 " " "</p> <p>10 Yr. Avg. (Oct. 7th) Ripogenus &amp; North Twin - 29,060 " " "</p> <p>Oct. 7th, 1935:- Ripogenus Elev. 928.15 Storage - 12,563 " " "</p> <p>North Twin " 490.40 " - 12,270 " " "</p> <p>Ripogenus &amp; North Twin " - 24,833 " " "</p> <p>Small Ponds - 0,000 " " "</p> <p>Total Penobscot Storage - 24,833 " " "</p> <p>Oct. 1st, 1934 " Kennebec " - 18,266 " " "</p> <p>Sept. 30th, 1935 " " " - 16,868 " " "</p> <p>Rainfall for first six days of October was reported as being 0.45" at Ripogenus; at Millinocket, 0.50" was recorded.</p>
Pulpwood Trestle -Job 1312	<p>Eleven bays have been redecked with new stringers (wherever needed), and all new ties. The old deck has been removed from six additional bays.</p>
Smooth Press No. 10 Machine Job 1317	<p>Still waiting for arrival for press rolls.</p>
Acid Tank Job 1318	<p>Job inactive, awaiting arrival of the tank.</p>
Sulphite Pulp Storage - Job 1319	<p>Excavation for the outside pipe completed. The connection to the present outlet from the tank has been made, and the underground piping is now being laid.</p>
Store & Core Room Roof Job 1321	<p>First concrete for the roof was poured Friday, October 4th. At present, six bays have been poured over the North end of the Core room. If the weather permits, three bays will be concreted over the North end of the Store room tomorrow, October 8th;</p> <p>Four of the six trusses that have to be reinforced will be completed by tonight, October 7th.</p>
Spur Track Job 2176	<p>The Diesel shovel has stripped the overlay from the boggy section and fill has been placed through about three quarters of this bog.</p> <p>One of the transmission lines from Dolby has been raised to give the necessary clearance over the new track. Three new tall poles were installed, to accomplish this.</p>
North Twin Repairs - Job 417	<p>Repairs to gateways 15 &amp; 16 completed and the bulkheads removed and hauled to storage yard.</p> <p>Removed top of upstream pier between gates 16 &amp; 17. Building forms to top same out with new concrete.</p> <p>Patching downstream piers with new concrete.</p> <p>Cleaning up around the job.</p> <p>Closed Deutschbein Office at North Twin yesterday, October 6th, and moved office equipment to Millinocket.</p>
Engineering Department.	<p>Making detail drawings of hood installation for all four machines at East Millinocket. Completed drawings covering new concrete roof deck over the Store &amp; Core rooms at Millinocket.</p> <p>(over)</p>

DATE MAILED

October 7th, 1935.

SIGNED

J. C. Bowler

(Cont.)  
Engineering  
Department.

Made physical inventory at all three mills.  
Ran "gate-power" tests on No's. 2 and 3 units at North  
Twin Friday and Saturday, October 4th & 5th respectively.

Miscellaneous

J. M. Wade visited Monday & Tuesday, September 30th &  
October 1st, respectively.  
F. C. Bowler visited Boston & Worcester Monday & Tuesday,  
Sept. 30th & Oct. 1st, respectively.

1000	1000	1000	1000
1000	1000	1000	1000
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1000	1000	1000	1000

1000	1000	1000	1000
1000	1000	1000	1000
1000	1000	1000	1000
1000	1000	1000	1000
1000	1000	1000	1000

Details for first six days of October are reported as being  
0.00% at Department; at Millwrights, 0.00% are reported.

These days have been reported with no change (however  
great), and all are clear. The all back has been removed from the  
all day.

Will waiting for several for power rolls.

Job inactive, waiting arrival of the tank.

Investigation for the engine type completed. The investigation  
the present engine from the tank has been made, but the investigation  
is not being held.

First engine for the tank was found Friday, October 1st.  
It present, six days have passed over the tank and at the time  
it was found, there were will be completed with the tank and  
at the time found, October 1st.  
Work of the tank has been to be returned will be  
placed by tank, October 1st.

The second engine has arrived the evening from the tank and  
the tank will have been placed through about three days of the tank.  
One of the tank has been found from the tank and will be  
after the necessary elements over the tank. There are still  
were installed, to be completed.

Regular in progress is a 12 completed and the following re-  
moved and placed in storage tank.  
Lumber for the tank is in storage tank.  
Lumber for the tank is in storage tank.

Placing up around the tank.  
Classified Department Office at North Twin, October 1st.  
and moved after equipment to Millwrights.  
Being detail of work installation for all four  
engine at North Millwrights. Completed through power  
test tank over the tank & tank at Millwrights.

Engine  
Twin - 1st  
1st

Engine  
No. 10  
1st

Engine  
1st  
1st

Engine  
1st  
1st

Engine  
1st  
1st

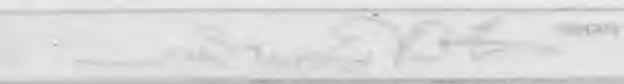
Engine  
1st  
1st

Engine  
1st  
1st

Engine  
1st  
1st

Engine  
1st  
1st

Engine  
1st  
1st



October 1st, 1900

1000

## WEEKLY NEWS LETTER

FOR WEEK BEGINNING 8 A. M.

Sept. 23,

19 35 FROM

Engineering Department

LETTER NO.

39

SUBJECT	DETAIL
Water Storage	<p>Maximum Capacity of Ripogenus and North Twin - 45,000 Mil. Cu. Ft.</p> <p>Sept. 30th, 1934: " " " " - 20,870 " " "</p> <p>" " " Total including Small Ponds - 24,073 " " "</p> <p>10 Yr. Avg. (Sept. 30th) Ripogenus and North Twin 29,873 " " "</p> <p>Sept. 30th, 1935: Ripogenus 929.92 Storage 14,210 Mil. Cu. Ft.</p> <p>North Twin 490.35 " 12,235 " " "</p> <p>Ripogenus &amp; North Twin 26,445 " " "</p> <p>Small Ponds 0,000 " " "</p> <p>Total Penobscot Storage 26,445 Mil. Cu. Ft.</p> <p>Sept. 24th, 1934: " Kennebec " 18,599 " " "</p> <p>" 23rd, 1935: " " " 18,090 " " "</p> <p>Rainfall for month of September up to 8 A.M. this morning is 3.91" at Millinocket; at Ripogenus 4.55" has been reported.</p>
Pulpwood Trestle Job 1312	Renewed work on pulpwood trestle repairs last Monday, Sept. 23rd. To-date five (5) bays have been redecked, and the old deck removed from 6 additional bays.
Smooth Press #10 Pa. Mach. Job 1317	Awaiting arrival of chromium plated bottom roll and rubber covered top roll.
Acid Storage Tank Job 1318	Job inactive awaiting arrival of tank.
Sulphite Pulp Sto. J-1319	Excavation for outside pipe partially completed.
Store & Core Rm. Roofs - Job 1321	<p>Three of the six trusses that have to be reinforced are completed on the Store Room side. Starting the reinforcing of these same three trusses on the Core Room side.</p> <p>Hope to start concreting Thursday of this week.</p>
Spur Track Job 2176	<p>The 3/4 Yard Diesel shovel was shipped to East Millinocket Friday, Sept. 27th. It was unloaded Saturday morning, Sept. 28th, and went to work immediately cutting thru the big knoll on the mill end of the spur. Two trucks are serving the shovel, using the excavated material as fill.</p> <p>Right-of-way has been cleared thru to the fence at edge of railroad main track right-of-way.</p>
North Twin Repair Job 417	<p>Formwork for gateways 15 and 16 will be completed to-night, and will be concreted to-morrow, Oct. 1st. These two gateways were in worse condition than any of the previous ones.</p> <p>Chipping old concrete from face of some of the downstream piers so that they may be patched.</p> <p>Salvaging lumber from old store house for forms on the Store Room roof job at Millinocket.</p>
Engineering Department	Completed drawings covering installation of No. 4 Grinder Motor at Millinocket. Started making minor revisions in 4-Ft. grinder drawings before ordering the next two for Millinocket Mill. Making layout of hoods for all four paper machines at East Millinocket. Layout <del>out</del> of right-of-way for new spur track at East Millinocket. Making general plan of roof over Millinocket Store and Core Rooms.
Dict. RVW	(Over)

DATE MAILED

Sept. 30, 1935

SIGNED

F. C. Bowler

Engineer



Engineering  
Department  
Continued

Three men on monthly inventory.  
Prouty supervising work at Ragged Lake.

Miscellaneous

William Hilton visited Tuesday, Sept. 24th.  
Mr. Jenkins of Andale Co., visited Wed. Sept. 25th.  
F. C. Bowler visiting Boston office to-day, Sept. 30th.  
J. M. Wade visiting Millinocket to-day, Sept. 30th.

Sept. 20th, 1935	10,000	"	"	"	"
Sept. 21st, 1935	10,000	"	"	"	"
Sept. 22nd, 1935	10,000	"	"	"	"
Sept. 23rd, 1935	10,000	"	"	"	"
Sept. 24th, 1935	10,000	"	"	"	"
Sept. 25th, 1935	10,000	"	"	"	"
Sept. 26th, 1935	10,000	"	"	"	"
Sept. 27th, 1935	10,000	"	"	"	"
Sept. 28th, 1935	10,000	"	"	"	"
Sept. 29th, 1935	10,000	"	"	"	"
Sept. 30th, 1935	10,000	"	"	"	"

Work will for month of September up to 8 A.M. this morning is  
being done at Millinocket at 10:00 A.M. has been reported.

Worked on the mill on September 24th. The old mill  
is being moved to the new site. The old mill is being  
moved to the new site. The old mill is being moved to the new site.

Worked on the mill on September 25th. The old mill  
is being moved to the new site. The old mill is being moved to the new site.

Worked on the mill on September 26th. The old mill  
is being moved to the new site. The old mill is being moved to the new site.

Worked on the mill on September 27th. The old mill  
is being moved to the new site. The old mill is being moved to the new site.

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(over)

Sept. 30, 1935

## WEEKLY NEWS LETTER

FOR WEEK BEGINNING 8 A. M.

Sept. 16, 1935: 19

FROM

Engineering Department

LETTER NO.

38

## SUBJECT

## DETAIL

**Water Storage**

Maximum Capacity of Ripogenus and North Twin	-	45,000	Mil. Cu. Ft.
Sept. 23rd, 1934; " " " "	-	22,063	" " "
" " " Total including Small Ponds	-	24,703	" " "
10 Yr. Avg. (Sept. 23rd) Ripogenus and North Twin	-	30,742	" " "
Sept. 23rd, 1935: Ripogenus Elev. 931.00 Storage		15,245	" " "
North Twin " 490.90 "		12,620	" " "
Ripogenus and North Twin "		27,865	" " "
Small Ponds "		0,000	" " "
Total Penobscot Storage		27,865	Mil. Cu. Ft.
Sept. 17, 1934; " Kennebec "		17,764	" " "
" 16, 1935: " " "		19,221	" " "

Precipitation for the first twenty-two days of September was reported as being 3.69" at Ripogenus; at Millinocket, 3.18" was recorded. Gates at Millinocket Lake closed Monday, Sept. 16th.

**Pulpwood Trestle Job 1312** Installed angle iron protection to outside guard rail as far as new work has been carried.

**Coal Trestle Repairs - Job 1314** The final section of deck (stringers, ties, and guard rails) was installed during the week.

**Smooth Press #10 Paper Machine.** Electric drive received. Setting up some of the equipment in shop. Waiting for chromium plated bottom roll and rubber covered top roll to be returned.

**Acid Storage Tank Job 1318** Job inactive.

**Sulphite Pulp Storage - Job 1319** Cast Iron bell and spigot piping for this installation has been received. Excavation started for underground pipe.

**Store & Core Room Roofs - Job 1321** A crew of carpenters have worked all week getting up falsework in the trusses to support temporary protection and forms. This work has been completed in five bays in the storeroom. Using old timber from the North Twin construction work.

Structural steel for reinforcement of the trusses was received at the mill to-day.

**Repairs to #8 Unit @ Dolby Job 2175** Unit shut down for 8 hours Thursday, Sept. 19th, to put additional grooves in the newly installed rubber guide bearing, so that it will get a sufficient quantity of water for proper lubrication.

Work completed and unit turning out 3000 K.W.

**North Twin Repair Job 417** Gates and gateways 23 and 24 were completely repaired during the past week.

Bulkheads have been moved to gateways 15 and 16 and work will be started on them at once. These are the last two gates to be repaired.

Repairing piers both upstream and downstream.

**Engineering Department** Working on #4 grinder motor installation for Millinocket; paper machine hoods for East Millinocket; pulpwood unloading conveyors and railroad sidings for East Millinocket; roof over Core Room and Store Room at Millinocket; division of Ground Wood system for Madison; and laying out sidewalks for Town.

Dict. RVW

(Over)

DATE MAILED

Sept. 23rd, 1935

SIGNED

J. C. Bowler Engineer

## Miscellaneous

F. C. Bowler visited dams at Moosehead, Seboomook, Canada Falls and Ragged Lakes, Tuesday & Wednesday, Sept. 17th and 18th respectively. Frank Leaman, water wheel erector for Baldwin-Southwark Corp., left Millinocket for Philadelphia ~~Thursday~~ night, Sept. 19th. 20 J. D. Bronwell of Glens Falls Machine Works visited Friday, Sept. 20th.

Frank Leaman, water wheel erector for Baldwin-Southwark Corp left Millinocket for Philadelphia ~~Thursday~~ night, Sept. 19th. 20

J. D. Brownell of Glens Falls Machine Works visited Friday, Sept. 20th.

16	Highway Mile 70.00	1996
15	" " 69.00	
14	" " 68.00	
13	Highway and North Turn	
12	" "	
11	Well Tools	

	Total Payments	Total Receipts	Net Change
IV	\$100.00	\$100.00	\$0.00
V	\$100.00	\$100.00	\$0.00
VI	\$100.00	\$100.00	\$0.00
VII	\$100.00	\$100.00	\$0.00
VIII	\$100.00	\$100.00	\$0.00
IX	\$100.00	\$100.00	\$0.00
X	\$100.00	\$100.00	\$0.00
XI	\$100.00	\$100.00	\$0.00
XII	\$100.00	\$100.00	\$0.00
Total	\$1,200.00	\$1,200.00	\$0.00

Investigation for the first twenty-four days of the  
reported as being 1.48" at Wisconsin; at Wisconsin,  
Wagon at Wisconsin Lake about Monday, May, 18

any work has been copied.  
 transferred onto from protection to outside world

The final section of each (category, time, and location) during the week.

Electric drive provided. Setting up time of the  
waiting for drawings printed bottom roll and change con-

Low Initiative.

Grand Jury will not return for this session.  
Examination started for unknown date.

A group of employees have worked all week putting the houses in shape for temporary protection and repair. Work completed in five days in the forenoon. Being a fine day this completion was.

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Page 10 of 10

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## WEEKLY NEWS LETTER

FOR WEEK BEGINNING 8 A. M. Sept. 9th,

1935 FROM Engineering Department

LETTER NO. 37

SUBJECT	DETAIL
Water Storage	<p>Maximum Capacity of Ripogenus and North Twin - 45,000 Mil. Cu. Ft.</p> <p>Sept. 16th, 1934: " " " " - 23,319 " " "</p> <p>" " " Total including Small Ponds - 25,739 " " "</p> <p>10 Yr. Avg. (Sept. 16th) Ripogenus and North Twin - 31,612 " " "</p> <p>Sept. 16th, 1935: Ripogenus Elev. 931.72 Storage 15,965 " " "</p> <p>North Twin " 491.70 " 13,180 " " "</p> <p>Ripogenus and North Twin " 29,145 " " "</p> <p>Small Ponds " 0,000 " " "</p> <p>Total Penobscot Storage 29,145 Mil. Cu. Ft.</p> <p>Sept. 10th, 1934: " Kennebec " 18,762 " " "</p> <p>" 9th, 1935: " " " 20,444 " " "</p> <p>Precipitation for the first fifteen days of September was reported as being 1.88" at Ripogenus; at Millinocket, 2.45" was recorded.</p>
Copper Coil #1 Digester - Job 1309	Installation completed and in service. Several cooks have been run off at this writing.
Pulpwood Trestle Job 1312	Installing angle iron protection to guard rails.
Repairs to Coal Trestle - Job 1314	Started to-day, Sept. 16th, on the final section of coal trestle deck replacement.
Smooth Press #10 Job 1317	Material on hand except for the rolls and the electric drive.
Acid Storage Tank - Job 1318	Job inactive the past two weeks.
Store & Core Rm. Roof - Job 1321	A small Deutschbein crew started to get falsework and stagings ready to-day, Sept. 16th, for the repairs and reinforcement of the steel trusses.
Repairs to #8 Unit at Dolby Job 2175	Unit put into operation Sunday night, Sept. 15th, and was developing 2800 K.W. this morning.
North Twin Re- pair - Job 417	Repairs to gateways 17 and 18 completed and bulkheads being flooded to-day, Sept. 16th. This makes ten of the fourteen gateways completed. Gateways 23 and 24 are ready for the new cast iron headers and formwork.
	Repairing North abutment with new concrete.
	Dismantled steel guy derrick from old log sluice walls.
Engineering Department	Working on layouts for No. 4 grinder motor at Millinocket; Core and Store Room Roof at Millinocket; Conveyors and Railroad Sidings for unloading car pulpwood at East Millinocket; and division of groundwood system at the Madison Mill.
Miscellaneous	<p>Bidstrup &amp; Pippin (Cameron Pumps) called Sept. 11th.</p> <p>Lester R. Smith &amp; C. E. Hooper here Sept. 12th.</p> <p>Messrs. McNutty &amp; Center (Westinghouse Co.) called Sept. 12th</p> <p>re MICARTA.</p> <p>George Ordway (Barrett Inspector) called Sept. 11th.</p> <p>Walter Ruggles - Ruggles-Klingeman - called Sept. 10th.</p> <p>Bowler &amp; Prouty at Ragged Lake Dam, Sept. 10th.</p>
Dict. RVW	
Sept. 16th, 1935.	SIGNED <i>J. C. Bowler</i> Engineer.



## WEEKLY NEWS LETTER

FOR WEEK BEGINNING 8 A. M.

Sept. 3,

19 35 FROM

Eng. Dept.

LETTER NO. 36

SUBJECT	DETAIL
Water Storage	<p>Maximum Capacity of Ripogenus and North Twin - 45,000 Mil. Cu. Ft.</p> <p>Sept. 9th, 1934: " " " " - 24,971 " " "</p> <p>" " " Total including Small Ponds - 26,996 " " "</p> <p>10 Yr. Avg. (Sept. 9th) Ripogenus and North Twin - 32,692 " " "</p> <p>Sept. 9th, 1935: Ripogenus Elev. 932.20 Storage 16,449 " " "</p> <p>North Twin " 492.90 " 14,020 " " "</p> <p>Ripogenus and North Twin " 30,469 " " "</p> <p>Small Ponds " 0,000 " " "</p> <p>Total Penobscot Storage 30,469 Mil. Cu. Ft.</p> <p>Sept. 3rd, 1934: " Kennebec " 19,789 " " "</p> <p>" 1st, 1935: " " " 22,572 " " "</p> <p>Precipitation for the first eight days of September was reported as being 0.97" at Ripogenus; at Millinocket, 1.29" was recorded.</p>
Copper Coil in #1 Digester Job 1309	<p>Installation completed.</p> <p>Steam now on digester to cure patches in lining.</p> <p>Expect to start cooking Tuesday, Sept. 10th.</p>
Repair #8 Unit Dolby - Job 2175	<p>Generator erector Gillette arrived to-day, Sept. 9th.</p> <p>Arrangements made to work overtime, till 9 PM, daily till this unit is in commission. Expect to finish Thursday or Friday.</p>
North Twin Eq. Job 414	<p>Tracks for rack rake and trash car completed.</p>
North Twin Repair - Job 417	<p>Working on repair of gates 17, 18, 23 and 24. Underpinning toe of dam by new concrete wall completed. Preparing to take down derrick. Removing white building at North end of dam, cleaning up grounds.</p>
Engineering Department	<p>Completing and correcting plans and notes on North Twin work for files, details and schedules of materials for Storeroom Roof, division of groundwood system at Madison, hoods and pulpwood conveyor for East Millinocket, computing inventories, etc. Weldon on vacation.</p>
Miscellaneous	<p>F. T. Dolbeare, R. W. E. Leach and C. E. Hooper called Sept. 3rd.</p> <p>Mr. McKay here Sept. 5th and 6th.</p> <p>John A. Ross called Sept. 5th.</p> <p>Mr. Anderson, draftsman for J. O. Ross Engineering Corporation here over week-end to get measurements for shop details of East Millinocket hoods.</p> <p>Mr. Gillette, General Electric erector arrived Sept. 9th to reassemble No. 8 unit at Dolby.</p>
	Dict. FCB

DATE MAILED

Sept. 9th, 1935

SIGNED

JCBowler

Engineer

## WEEKLY NEWS LETTER

FOR WEEK BEGINNING 8 A. M.

August 26,

19 35 FROM

Engineering Department LETTER NO.

35

SUBJECT	DETAIL
Water Storage	<p>Maximum Capacity of Ripogenus and North Twin - 45,000 Mil. Cu. Ft.</p> <p>Sept. 3rd, 1934: " " " " - 26,228 " " "</p> <p>" " " Total including Small Ponds - 28,648 " " "</p> <p>10 Yr. Avg. (Sept. 3rd) Ripogenus and North Twin - 33,400 " " "</p> <p>Sept. 3rd, 1935: Ripogenus Elev. 933.15 Storage 17,421 " " "</p> <p>North Twin " 492.70 " 13,880 " " "</p> <p>Ripogenus and North Twin " 31,301 " " "</p> <p>Small Ponds " 0,000 " " "</p> <p>Total Penobscot Storage 31,301 Mil. Cu. Ft.</p> <p>Aug. 27th, 1934: " Kennebec " 21,231 " " "</p> <p>" 26th, 1935: " " " 23,871 " " "</p> <p>Precipitation for the month of August was reported as being 3.04" at Ripogenus; at Millinocket, 2.56" was recorded.</p>
Copper Coils #1 Digester Job 1309	Brickwork in lining completed Saturday, August 31st. Expect to finish installation of copper coils this week.
North Twin Rd. Job 1310	Finished Saturday August 31st.
Pulpwood Trestle Repair - J-1312	Inactive -- no further work on this trestle till wood shipments are decreased.
Coal Trestle Re- pair - J-1314	About 70% completed. Work suspended on account of arrival of coal.
Smooth Press #10 Machine - Job 1317	Bottom roll sent for chromium plating. Rubber top roll ordered.
Acid Storage Tank Job 1318	Piping supported ready for removal of old tank.
Sulphite Pulp Storage - Job 1319	Piping and valves detailed and requisitioned. No work of installation started.
Repair No. 8 Unit Dolby - Job 2175	New throat ring liner in place and welded in. Bottom of propeller blades welding completed. Top side propeller blades - little welding to be done. Welding expert leaves Wednesday or Thursday. Start reassembly of wheel and generator Monday Sept. 9th.
North Twin Equip. Job 414	Installing tracks for rack rake and trash car.
North Twin Repair Job 417	Repair of 8 gates and gateways (Nos. 25-26-27-28-17-18-23 & 24) completed. Two of these used during Labor Day shutdown. Bulkheads are now installed in front of 4 gates (Nos. 17-18-23 & 24). About 70 Ft. of toe of dam underpinned by new concrete wall. Now cleaning ledge and installing sheeting for balance of this work.
Engineering Department	Worked on pipe details and general plan of sulphite pulp storage - job 1318, pulpwood conveyors, No. 9 smooth press, division of groundwood system and size tub No. 2 machine Madison, details of Repair Anson Wheels, Inventories all mills, etc. etc. Two men out on vacation.
	Dict. FCB (Over)

DATE MAILED

Sept. 3, 1935

SIGNED

J. C. Bowler

Engineer.

Mr. Robie of Bellamy-Robie & Sargent called Aug. 28th.

Mr. Ed Leader and J. E. Ramette, Engineer for Hartwell Coal Co. called and inspected North Twin Power Plant on August 28th.

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Subject to these limitations of copper cable this work.

Examinee - no further work on this problem will need assignment

10-10-1964

Subject: [REDACTED]  
[REDACTED]

...and also to the ...

Considerable time has been spent in the past few days in the study of the various methods of determining the relative humidity of air.

Two Great Ring Lines in Glass and White in. Bottom of Propeller  
Shells being completed. Top side Propeller blades - little white  
to be done. White upper bottom of Propeller. Glass  
remains of shell and Propeller blades. 1970

Individuals from the rock and beach sites.

Report of 4 gates and gateways (Nos. 15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-494-495-496-497-498-499-500-501-502-503-504-505-506-507-508-509-510-511-512-513-514-515-516-517-518-519-520-521-522-523-524-525-526-527-528-529-530-531-532-533-534-535-536-537-538-539-540-541-542-543-544-545-546-547-548-549-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000-1001-1002-1003-1004-1005-1006-1007-1008-1009-1010-1011-1012-1013-1014-1015-1016-1017-1018-1019-1020-1021-1022-1023-1024-1025-1026-1027-1028-1029-1030-1031-1032-1033-1034-1035-1036-1037-1038-1039-1040-1041-1042-1043-1044-10

[illegible]

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FOR WEEK BEGINNING 8 A. M.

August 19,

19 35 FROM

Engineering Department

LETTER NO.

34

SUBJECT

DETAIL

**Water Storage**

Maximum Capacity of Ripogenus and North Twin	-	45,000 Mil. Cu. Ft.
August 26th, 1934:	" " " "	28,150 " " "
" " " Total Including Small Ponds	-	30,790 " " "
10 Yr. Avg. (Aug. 26th) Ripogenus and North Twin	-	34,345 " " "
Aug. 26th, 1935: Ripogenus Elev. 936.40 Storage		20,879 " " "
North Twin " 490.00 "		11,990 " " "
Ripogenus and North Twin "		32,869 " " "
Aug. 24th, 1935: Small Ponds	"	1,000 " " "
Total Penobscot	"	33,869 Mil. Cu. Ft.
" 20th, 1934: " Kennebec	"	22,890 " " "
" 19th, 1935: " " "	"	26,111 " " "

Precipitation for the first twenty-five days of August was reported as being 2.55" at Ripogenus; at Millinocket, 1.84" was recorded.

**Copper Coils  
#1 Digester  
Job 1309**

Headers and coil supports are in place. Now patching the lining where the anchors for the supports are tied back to the shell.

**N. T. Road  
Job 1310**

Diesel shovel has a roadbed clear thru the knoll which eliminates the old "S" curve. Now taking a second cut so as to lift road at mill end of knoll, thus improving a low, wet stretch of road in the spring and fall.

**Pulpwood Trestle  
Job 1312**

Job inactive.

**Coal Trestle  
Job 1314**

No work the past week because of the cargo of coal which had to be unloaded.

**Repairs to #8  
Unit @ Dolby  
Job 2175**

Repairing the runner of the water wheel by chipping out and cleaning the pitted steel and then filling in with stainless steel. Also welding stainless steel tips to runner where the old material was entirely worn away.

The old throat ring has been removed and the new one, faced with stainless steel, is about ready to be placed.

Runner shaft has got to be taken to East Millinocket and put in a lathe in order to smooth up the bushing where the old guide bearing wore into it.

**Power House  
Equipment -  
Job 414**

Completed the second test of units #2 and #3 late Friday night, August 23rd. Dismantling test equipment.

**Repairs to NT  
Dam - Job 417**

Installed new headers in gateways 19 and 20 and patched the old concrete seams. Bulkheads can now be flooded preparatory to moving.

Installed new headers in gateways 25 and 26 and building forms for the concrete repairs. Steel gates in these two gateways were in bad condition and required a lot of repairs.

Concreted two sections below the apron of the dam, which filled in the undermining of the existing apron and forms a wall to ledge to prevent further undermining. Building the final section of coffer dam in order to complete this phase of the work.

**Engineering  
Department**

Two men on vacation all week. Balance of crew practically all week at North Twin Power House running acceptance tests on units #2 and #3.

Dict. RVW

(Over)

DATE MAILED

August 26, 1935

SIGNED

JCBowler Engineer.



Messrs. Beattie of Baldwin-Southwark, Kelsey of G. E. Co., Professor Allen and Taylor and Hooper of his staff, were at North Twin all week testing units #2 and #3.

Mr. Estes, inspector of the Factory Assurance Association called Thursday, Aug. 22nd while making his inspection of the Penobscot Mills.

<p>  </p>	<p>             J. Edgar Hoover              Director           </p>	<p>             1931, 1932, 1933              1934, 1935, 1936              1937, 1938, 1939              1940, 1941, 1942              1943, 1944, 1945              1946, 1947, 1948              1949, 1950, 1951              1952, 1953, 1954              1955, 1956, 1957              1958, 1959, 1960              1961, 1962, 1963              1964, 1965, 1966              1967, 1968, 1969              1970, 1971, 1972              1973, 1974, 1975              1976, 1977, 1978              1979, 1980, 1981              1982, 1983, 1984              1985, 1986, 1987              1988, 1989, 1990              1991, 1992, 1993              1994, 1995, 1996              1997, 1998, 1999              2000, 2001, 2002              2003, 2004, 2005              2006, 2007, 2008              2009, 2010, 2011              2012, 2013, 2014              2015, 2016, 2017              2018, 2019, 2020              2021, 2022, 2023              2024, 2025, 2026              2027, 2028, 2029              2030, 2031, 2032              2033, 2034, 2035              2036, 2037, 2038              2039, 2040, 2041              2042, 2043, 2044              2045, 2046, 2047              2048, 2049, 2050              2051, 2052, 2053              2054, 2055, 2056              2057, 2058, 2059              2060, 2061, 2062              2063, 2064, 2065              2066, 2067, 2068              2069, 2070, 2071              2072, 2073, 2074              2075, 2076, 2077              2078, 2079, 2080              2081, 2082, 2083              2084, 2085, 2086              2087, 2088, 2089              2090, 2091, 2092              2093, 2094, 2095              2096, 2097, 2098              2099, 2100, 2101              2102, 2103, 2104              2105, 2106, 2107              2108, 2109, 2110              2111, 2112, 2113              2114, 2115, 2116              2117, 2118, 2119              2120, 2121, 2122              2123, 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             2225, 2226, 2227              2228, 2229, 2230              2231, 2232, 2233              2234, 2235, 2236              2237, 2238, 2239              2240, 2241, 2242              2243, 2244, 2245              2246, 2247, 2248              2249, 2250, 2251              2252, 2253, 2254              2255, 2256, 2257              2258, 2259, 2260              2261, 2262, 2263              2264, 2265, 2266              2267, 2268, 2269              2270, 2271, 2272              2273, 2274, 2275              2276, 2277, 2278              2279, 2280, 2281              2282, 2283, 2284              2285, 2286, 2287              2288, 2289, 2290              2291, 2292, 2293              2294, 2295, 2296              2297, 2298, 2299              2300, 2301, 2302              2303, 2304, 2305              2306, 2307, 2308              2309, 2310, 2311              2312, 2313, 2314              2315, 2316, 2317              2318, 2319, 2320              2321, 2322, 2323              2324, 2325, 2326              2327, 2328, 2329              2330, 2331, 2332              2333, 2334, 2335              2336, 2337, 2338              2339, 2340, 2341              2342, 2343, 2344              2345, 2346, 2347              2348, 2349, 2350              2351, 2352, 2353              2354, 2355, 2356              2357, 2358, 2359              2360, 2361, 2362              2363, 2364, 2365              2366, 2367, 2368              2369, 2370, 2371              2372, 2373, 2374              2375, 2376, 2377              2378, 2379, 2380              2381, 2382, 2383              2384, 2385, 2386              2387, 2388, 2389              2390, 2391, 2392              2393, 2394, 2395              2396, 2397, 2398              2399, 2400, 2401              2402, 2403, 2404              2405, 2406, 2407              2408, 2409, 2410              2411, 2412, 2413              2414, 2415, 2416              2417, 2418, 2419              2420, 2421, 2422              2423, 2424, 2425              2426, 2427, 2428              2429, 2430, 2431              2432, 2433, 2434              2435, 2436, 2437              2438, 2439, 2440              2441, 2442, 2443              2444, 2445, 2446              2447, 2448, 2449              2450, 2451, 2452              2453, 2454, 2455              2456, 2457, 2458              2459, 2460, 2461              2462, 2463, 2464              2465, 2466, 2467              2468, 2469, 2470              2471, 2472, 2473              2474, 2475, 2476              2477, 2478, 2479              2480, 2481, 2482              2483, 2484, 2485              2486, 2487, 2488              2489, 2490, 2491              2492, 2493, 2494              2495, 2496, 2497              2498, 2499, 2500              2501, 2502, 2503 </p>
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## WEEKLY NEWS LETTER

FOR WEEK BEGINNING 8 A. M. Aug. 12,

1935 FROM Eng. Department

LETTER NO. 33

SUBJECT	DETAIL
Water Storage	<p>Maximum Capacity of Ripogenus and North Twin - 45,000 Mil. Cu. Ft.  August 19th, 1934: " " " " - 29,806 " " "  " " " Total including Small Ponds - 32,446 " " "  10 Yr. Avg. (Aug. 19th) Ripogenus and North Twin - 35,306 " " "  Aug. 19th, 1935: Ripogenus Elev. 938.05 Storage - 22,743 " " "  North Twin " 489.90 " - 11,920 " " "  Ripogenus and North Twin " 34,663 " " "  Aug. 17th, 1935: Small Ponds " 1,627 " " "  " 12th, 1934: Total Penobscot Storage 36,290 Mil. Cu. Ft.  " 13th, 1934: " Kennebec " 24,929 " " "  " 12th, 1934: " " " 27,746 " " "</p> <p>Precipitation for the first eighteen days of August was reported as being 2.13" at Ripogenus: at Millinocket, 1.34" was recorded.</p> <p>Experiencing another hot dry week with a maximum temperature of 98 degrees at Millinocket and 99 degrees at Ripogenus.</p>
Copper Coils #1 Digester Job 1309	Connections to bottom cone of digester completed. The two headers and the top and bottom coil are in place. Now chipping lining for anchoring the coil supports.
N. T. Road Job 1310	Diesel shovel is about three quarters way thru the big knoll which will eliminate the "S" curve in the old road.
Pulpwood Trestle Job 1312	Job inactive.
Coal Trestle Job 1314	About 1/3 of the deck has been replaced with creosoted timbers.
New Sheaves Job 1315	Completed except for installation of cable and new buttons.
Repairs to #8 Unit @ Dolby	The generator has been removed and the water wheel propeller has been taken out and placed on the floor where it may be repaired with stainless steel. Mr. Johnson of the Welding Engineers, Inc. arrived this morning, Aug. 19th to perform the stainless steel welding.
Power House Equipment Job 414	Making preparations for the second testing of the No. 2 and No. 3 units. Mr. Beattie, Baldwin-Southwark representative arrived this morning, August 19th.
Tailrace Canal Job 415	Tailrace work completed. Repairing equipment and boxing spare parts, etc.
Repairs to N.T. Dam - Job 417	Gateways 19, 20 <sup>25</sup> , and 26 ready for installation of new cast iron headers. Installing coffer dam below the apron of the dam so as to fill in the undercutting with concrete.
Engineering	<p>Started detailed drawings of piping changes in connection with converting #5 groundwood tank into a sulphite storage tank. Started layout for a smooth press on #9 paper machine. Started study of a tub size installation for #2 machine at Madison. Making preparations for test at North Twin.</p> <p>Two men on vacation.</p>
	Dict. RVW

(Over)

DATE MAILED

August 19, 1935

SIGNED

J C F Bowler

Engineer

### Miscellaneous

Messrs Bowler and Prouty left for inspection of Anson Power House Monday, Aug. 12th, Mr. Bowler returning Wednesday, Aug. 14th, and Mr. Prouty returning to-day, August 19th.

W. S. Rieser of the Hallemitte Mfg. Co. visited Tuesday, August 13th.

E. D. Coogan, of Bucyrus-Erie Co. called Friday, Aug. 16th.

and Mr. Prouty returning to-day, August 19th.  
W. S. Rieser of the Hallemitte Mfg. Co. visited T  
August 13th.  
E. D. Coogan, of Bucyrus-Erie Co. called Friday,

1000 N. 7th St.  
St. Paul, Minn. 55102

[illegible]

1954  
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1956  
1957

1992-1993

1990 - 1991

2271-41 3/15/98

## WEEKLY NEWS LETTER

FOR WEEK BEGINNING 8 A. M. August 5,

19 35 FROM Engineering Department

LETTER NO. 32

SUBJECT	DETAIL
Water Storage	<p>Maximum Capacity of Ripogenus and North Twin - 45,000 Mil. Cu. Ft.</p> <p>August 12th, 1934: " " " " - 31,306 " " "</p> <p>" " " Total including Small Ponds - 34,066 " " "</p> <p>10 Yr. Avg. (Aug. 12th) Ripogenus and North Twin 36,196 " " "</p> <p>Aug. 12th, 1935: Ripogenus Elev. 938.28 Storage 23,010 " " "</p> <p>North Twin " 491.30 " 12,900 " " "</p> <p>Ripogenus and North Twin " 35,910 " " "</p> <p>Aug. 10th, 1935: Small Ponds " 2,099 " " "</p> <p>Total Penobscot Storage 38,009 Mil. Cu. Ft.</p> <p>Aug. 6th, 1934: " Kennebec " 26,271 " " "</p> <p>" 5th, 1935: " " " 29,133 " " "</p> <p>Precipitation for the first eleven days of August was reported as being 2.13" at Ripogenus; at Millinocket, 1.28" was recorded.</p>
Copper Coils #1 Digester Job 1309	Cut holes in bottom cone of digester and riveted flanges to the shell.
N. T. Road Job 1310	<p>Roadbed for the underpass has been concreted, and the new road is now in commission.</p> <p>Diesel shovel is cutting its way thru the big knoll on the old road so as to eliminate the dangerous "S" curve.</p>
Pulpwood Trestle Job 1312	Carload of additional fir timbers received and unloaded.
Coal Trestle Job 1314	Started a crew on this work to-day, August 12th.
New Sheaves Job 1315	Sheaves all installed and tunnel spoutwork completed. Now ready to install cable and new buttons.
N.T. Power Ho. Job 413	New log sluice completed and put into operation Friday, Aug. 9th. This sluice is handling the wood in a very efficient manner.
Tailrace Canal Job 415	<p>Tailrace work now completed.</p> <p>Moved one dragline outfit to the Millinocket Mill Yard Friday, Aug. 9th, so as to be available for experiments on handling 4-Ft. wood.</p>
Repairs to N.T. Dam - Job 417	<p>Gateways 21, 22, 27 and 28 completed.</p> <p>Chipping concrete from gateways 25 and 26.</p> <p>Installed bulkheads in front of gateways 19 and 20 and drained same.</p> <p>Started installation of cofferdam below the apron of the dam.</p>
Repairs to 8th unit - Dolby	Messrs. Charles Collins of the G. E. Co. and Frank Leaman of the Baldwin-Southwark Corporation started to-day, August 12th, on the removal of the #8 unit at Dolby.
Engineering Department	<p>Made outline drawings of hoods for Nos. 1, 2, 3 &amp; 4 paper machines at East Millinocket. Made study and estimate of pulpwood unloading conveyor for car wood at East Millinocket. Made drawing and instructions for building a collapsible winder shaft for the Madison Mill.</p> <p>Figuring inventories for all three mills.</p> <p>Two men out on vacation all week.</p>
Miscellaneous	Mr. R. W. E. Leach called Wednesday, Aug. 7th.
Dict. RVW	Messrs. Willard and Underwood of Link Belt Co. called Wednesday, August 7th.

(Over)

DATE MAILED

August 12th, 1935

SIGNED

F. C. Bowler

Engineer.





## WEEKLY NEWS LETTER

FOR WEEK BEGINNING 8 A. M.

July 29th,

1935

FROM

Engineering Dept.

LETTER NO. 31

SUBJECT	DETAIL
Water Storage	<p>Maximum Capacity of Ripogenus and North Twin - 45,000 Mil. Cu. Ft.</p> <p>August 5th, 1934: " " " " - 32,111 " " "</p> <p>" " " Total including Small Ponds - 35,665 " " "</p> <p>10 Yr. Avg. (Aug. 5th) Ripogenus and North Twin - 37,270 " " "</p> <p>Aug. 5th, 1935: Ripogenus Elev. 938.40 Storage 23,149 " " "</p> <p>North Twin " 492.15 " 13,495 " " "</p> <p>Ripogenus and North Twin " 36,644 " " "</p> <p>Aug. 3rd, 1935: Small Ponds " 2,066 " " "</p> <p>Total Penobscot Storage 38,710 " " "</p> <p>July 30th, 1934: " Kennebec " 27,108 " " "</p> <p>" 29th, 1935: " " " 30,557 " " "</p> <p>Precipitation for the month of July was reported as being 4.22" at Ripogenus; at Millinocket, 2.98" was recorded.</p>
Copper Coils #1 Digester - Job 1309	<p>Hanging coils.</p> <p>Drilling holes in bottom cone of digester for the inlet and outlet to headers.</p>
N.T. Road Job 1310	<p>One lane of concrete under the underpass has been poured. Forms for the other lane are in place.</p> <p>Diesel steam shovel has moved to big knoll on the old road and with the aid of two trucks, is removing same.</p>
Pulpwood Trestle Job 1312	Awaiting additional creosoted lumber for repairs to the south end of the trestle.
Coal Trestle Job 1314	Work not started.
New Sheaves Job 1315	<p>All sheaves installed.</p> <p>Started to rebuild the cable spoutwork in the tunnel.</p>
Emergency Lights Job 1316	<p>Running conduits and wire from boiler house to Grinder Room.</p> <p>Mounting switches, etc. on 40 cycle side.</p>
N.T. Power Ho. Job 413	Sliding apron has been attached to new log sluice gate and the bulkhead removed from in front of same. Diver removing concrete seal this afternoon, Aug. 5th.
Tailrace Canal Job 415	Dragline moved to old crib work in the river late Thursday afternoon, Aug. 1st. At this writing, it is better than 1/2 removed. Also removed balance of old center railroad pier.
Repairs to NT Dam - Job 417	<p>Gateways 27 and 28 completed. Gateways 21 and 22 concreted and chipping concrete seal to-day so as to flood bulkheads.</p> <p>Installing bulkhead in front of gateways 25 and 26.</p>
Engineering Department	<p>Started outline drawings of hoods for Nos. 1, 2, 3 and 4 paper machines at East Millinocket. Made study of spur track at East Millinocket for unloading car pulpwood. Started an alternate study on basis of an unloading conveyor running parallel to #1 track and dumping into roof of wood storage building.</p> <p>Made physical inventory at all three mills.</p> <p>Two men on vacation all week.</p>
Miscellaneous Dict. RVW	F. C. Bowler visited Boston Thursday and Friday, Aug. 1st and 2nd and Madison Saturday, Aug. 3rd.

DATE MAILED

August 5, 1935

SIGNED

F. C. Bowler

Engineer.

## WEEKLY NEWS LETTER

FOR WEEK BEGINNING 8 A. M.

July 22nd,

1935

FROM Engineering Department

LETTER NO. 30

SUBJECT	DETAIL
Water Storage	<p>Maximum Capacity of Ripogenus and North Twin - 45,000 Mil. Cu. Ft.</p> <p>July 29th, 1934: " " " " - 32,799 " " "</p> <p>" " " Total including Small Ponds - 35,679 " " "</p> <p>10 Yr. Avg. (July 29th) Ripogenus and North Twin 38,127 " " "</p> <p>July 29th, 1935: Ripogenus Elev. 939.04 Storage 23,893 " " "</p> <p>North Twin " 492.40 " 13,670 " " "</p> <p>Ripogenus and North Twin " 37,563 " " "</p> <p>July 27th, 1935: Small Ponds " 2,066 " " "</p> <p>Total Penobscot " 39,629 Mil. Cu. Ft.</p> <p>July 23rd, 1934: " Kennebec " 28,246 " " "</p> <p>" 22nd, 1935: " " " 30,871 " " "</p> <p>Precipitation for the first twenty-eight days of July was reported as being 3.58" at Ripogenus; At Millinocket, 2.85" was recorded.</p>
Copper Coils #1 Digester - Job 1309 N. T. Road Job 1310	<p>Starting to dismantle bottom fittings from #1 digester and making preparations to install coil equipment.</p> <p>Diesel shovel making final cut thru the last knoll just before reaching the underpass.</p> <p>Underpass all paved and ready for concrete slab.</p>
Pulpwood Trestle Job 1312	Trestle in service but there is considerable work to be done on the south end. The necessary material has been requisitioned.
Coal Trestle Job 1314	Work not started as yet.
New Sheaves Job 1315	Four sheaves installed. Tore out old spout sections because they were so rotten it will be necessary to rebuild.
Emergency Lts. Job 1316	Installed transformer and lightning arrestors.
N. T. Power Ho. Job 413	Structural Steel log sluice all assembled and riveted. Getting ready to electric weld the joints. Gate has been placed in the guides and installing the extra lengths of racks.
Tailrace Canal Job 415	Island cofferdam has been completely removed. Derrick hoisting out old crib timbers to trucks on dam.
Repairs to NT Dam - Job 417	Concreted gateways #27 and #28 and removed forms. Old concrete has been chipped from gateways #21 and #22 and practically all ready to start building forms.
Engineering Department	Made study and estimate of using South Greenwood Tank for a sulphite storage tank. Designing pulpwood unloading conveyors. Worked on wood barker one day. Two men on vacation all week.
Miscellaneous	<p>Frank Leaman, Baldwin-Southwark erector back from Anson Monday, July 22nd. Now installing new runner on #3 unit at Millinocket.</p> <p>Messrs. Whitcomb, Hilton &amp; Pearson visited Wednesday and Thursday, July 24th and 25th.</p> <p>Mr. Anderson of Morse Chain Co., visited Thursday, July 25th.</p> <p>K. G. Macaulay, boiler and safety inspector, visited Friday, July 26th.</p>
	Dict. RVW

DATE MAILED

July 29th, 1935

SIGNED

J. C. Bowler Engineer.

GREAT NORTHERN PAPER COMPANY  
WEEKLY NEWS LETTER

FOR WEEK BEGINNING 8 A. M.

July 15th,

1935 FROM

Engineering Department

LETTER NO.

29

SUBJECT	DETAIL
Water Storage	<p>Maximum Capacity of Ripogenus and North Twin - 45,000 Mil. Cu. Ft.</p> <p>July 22nd, 1934 " " " " - 32,500 " " "</p> <p>" " Total including Small Ponds - 37,770 " " "</p> <p>10 Yr. Avg. (July 22nd) Ripogenus and North Twin 38,537 " " "</p> <p>July 22nd, 1935: Ripogenus Elev. 938.95 Storage 23,787 " " "</p> <p>North Twin " 492.15 " 13,495 " " "</p> <p>Ripogenus and North Twin " 37,282 " " "</p> <p>July 20th, 1935: Small Ponds " 3,375 " " "</p> <p>Total Penobscot " 40,657 " " "</p> <p>July 16th, 1934: " Kennebec " 30,296 " " "</p> <p>" 15th, 1935: " " " 32,011 " " "</p> <p>Precipitation for the first twenty one days of July was reported as being 0.93" at Ripogenus. At Millinocket, 1.30" was recorded.</p>
Copper Coils #1 Digester Job 1309	Installation not started yet.
N. T. Road Job 1310	<p>Diesel shovel now cutting thru the last big knoll and using the material for fill on either side.</p> <p>Placing big granite blocks as paving for the roadbed under the B. &amp; A. Bridge.</p>
Pulpwood Trestle Job 1312	<p>Driving of piles completed Thursday night, July 18th; a total of 143 being driven.</p> <p>Trestle is in usage today, July 22nd, but the lower end will have to be repaired later after additional stringers and ties have been obtained.</p>
Coal Trestle Job 1314	Repairs to trestle not started yet.
New Sheaves Job 1315	Preliminary work started today, July 22nd.
Emergency Lights for Boiler Ho. Job 1316	Poles, with cross arms and insulators are erected. Wire not strung yet.
N.T. Power H. Job 413	<p>Concreting final section of wall and pier foundations of log sluice today, July 22nd. First section of steel at entrance erected in place.</p> <p>Dragline, located on the Island cofferdam, has removed the Power House cofferdam.</p> <p>Dismantling temporary buildings and moving equipment to storage yard.</p>
Power House Eq. Job 414	<p>Tests on No. 2 and No. 3 units were completed Monday night, July 15th, and Professor Allen, S. L. Kerr of the Baldwin Southwark Corp., and C. A. Kelsey of General Electric Co., left for their respective homes immediately.</p>
Tailrace Canal Job 415	Excavation in canal completed and dragline now working on the Island cofferdam just below the Power House.
Repairs to NT Dam - Job 417	<p>Hand grading the grounds to the south of the Power House.</p> <p>Removing old concrete from gateways 21 and 22. New cast iron headers put into gateways 27 and 28 to seal the top of the steel gates.</p> <p>Practically ready to start formwork in these two gateways. (OVER)</p> <p>Dict. RVW</p>

DATE MAILED

July 22nd, 1935.

SIGNED

*J. C. Bowler* Engineer,



FOR WEEK BEGINNING 8 A.M. JULY 15th, 1935

LETTER NO. 22

**Engineering Department.**

Making study of pulpwood unloading conveyor along tracks in Mkt.yard. Made working dwg. of Bird Screen and drum. Made dwg. of cast iron gate headers for N.T. Dam. Making study of possibility of using the South ground-wood tank as a sulphite storage tank. One man all week on pulpwood trestle job; one man as resident engineer at N.T. Dam; and, one man out all week on vacation.

**Miscellaneous**

Messrs. Bowler, Kerr & Leaman to Madison Tuesday, July 16th, to inspect Anson waterwheels.  
Mr. Passmore of Walworth Co., visited Tuesday, July 16th.  
Mr. H. J. Deutschbein visited N.T. construction work Wednesday & Thursday July 17th & 18th.  
Messrs. Start & Stafford of Rice, Barton & Fales visited Wednesday, July 17th.

## WEEKLY NEWS LETTER

FOR WEEK BEGINNING 8 A. M.

July 8, 1935

19

FROM

Engineering Department

LETTER NO.

28

## SUBJECT

## DETAIL

## Water Storage

Maximum Capacity of Ripogenus and North Twin	-	45,000 Mil. Cu. Ft.
July 15th, 1934:	" " " "	- 31,840 " " "
" " " Total including Small Ponds	-	41,503 " " "
10 Yr. Avg. (July 15th) Ripogenus and North Twin		39,019 " " "
July 15th, 1935: Ripogenus Elev. 939.30 Storage		24,202 " " "
North Twin " 492.45 "		13,705 " " "
Ripogenus and North Twin	"	37,907 " " "
July 13th, 1935: Small Ponds	"	4,231 " " "
Total Pondscot	"	42,138 " " "
July 9th, 1934: " Kennebec	"	31,300 " " "
" 8th, 1935: " "	"	31,950 " " "

Precipitation for the first fourteen days of July at Ripogenus was reported as being 0.77"; at Millinocket, 1.30" was recorded.

Copper Coils  
#1 Digester  
Job 1309

Material for this job is practically ready for installation.

N. T. Road  
Job 1310

Diesel shovel about midway between the existing road and the North shore, digging top off of knolls and distributing same.

Dragline has been placing material, which was piled on the shore, as rough grading at the underpass end.

Pulpwood Trestle  
Job 1312

At this writing the trestle is repaired down to and including bent #24. This is the first bent beyond the break.

Lost three days driving because of necessary repairs having to be made to B. & A. pile driver.

Coal Trestle  
Job 1314

Repairs to the westerly coal trestle will not be started until the pulpwood trestle has been repaired.

New Sheaves #1  
Conveyor -  
Job 1315

Concreted old openings in roof of tunnel.  
Sheaves on hand.

Emergency Light  
for Boiler Ho.  
Job 1316

Started work on pole line for tie-in with the Bangor Hydro Electric Co.

N. T. Power Ho.  
Job 413

Stripped forms from second section of concrete walls and piers.  
Building forms for third and last section.

Placing steel in approximate location, preparatory to assembling.  
Removed temporary log sluice.

Power House Eq.  
Job 414

Tests for No. 2 fixed blade unit, and No. 3 Kaplan unit, were conducted all week.

Tailrace Canal  
Job 415

Excavation in tailrace below the B.&A. bridge is completed. For past few days dragline has been leveling off excavated material and placing for fill for new road.

Dragline will now be moved upstream so as to remove power house cofferdam.

Repairs to NT  
Dam - Job 417

Chipping and breaking out old concrete in gateways 21, 22, 27 and 28.  
Plugging hole which was left in North end of dam for a small water wheel-generator lighting unit.

Dict. RVW

(Over)

DATE MAILED

July 15, 1935.

SIGNED

*H.C. Bowler* Engineer

**Engineering Department**

Completed new couch drive design for #1 paper machine at Millinocket; completed layout for change in Frederick stoker dumps; working on smooth press for #10 paper machine; made computations for a measuring stick for the new fuel tank; making a record of all keys used in the Administration Building; one man with crew on pulpwood trestle repairs all week; five men all week on water wheel tests at North Twin power house.

**Miscellaneous**

Professor C. M. Allen arrived Tuesday morning, July 9th. A. L. Rider of the Elliott Co., visited Tuesday, July 9th. F. C. Schreiber, International Harvester Co. of America visited Tuesday July 9th re fuel oil transportation to Penobscot mills. Mr. J. A. Leonard, Bangor Hydro-Electric Co.'s engineer visited North Twin wheel test Wednesday, July 10th.

Copper coils  
of stoker  
July 10th  
A. L. Rider  
July 10th

Refined kerosene  
July 10th

Coal  
July 10th

How Harvester Co.  
Harvester -  
July 10th

Emergency light  
for boiler No.  
July 10th

A. L. Rider  
July 10th

Four boxes of  
July 10th

Refined kerosene  
July 10th

Refined kerosene  
July 10th

*Handwritten signature*

## WEEKLY NEWS LETTER

FOR WEEK BEGINNING 8 A. M.

July 1st,

19 35 FROM Engineering Dept.

LETTER NO. 27

SUBJECT	DETAIL
Water Storage	<p>Maximum Capacity of Ripogenus and North Twin - 45,000 Mil. Cu. Ft.</p> <p>July 8th, 1934: " " " " - 32,865 " " "</p> <p>" " " Total including Small Ponds - 42,365 " " "</p> <p>10 Yr. Avg. (July 8th) Ripogenus and North Twin - 39,460 " " "</p> <p>July 8th, 1935: Ripogenus Elev. 939.36 Storage - 24,273 " " "</p> <p>North Twin " 492.75 " - 13,915 " " "</p> <p>Ripogenus and North Twin " - 38,188 " " "</p> <p>July 6th, 1935: Small Ponds " - 4,648 " " "</p> <p>Total Penobscot Storage 42,836 " " "</p> <p>July 1st, 1934: " Kennebec " 31,526 " " "</p> <p>" 1st, 1935: " " " 31,953 " " "</p> <p>Precipitation for the first seven days of July at Ripogenus was reported as being 0.63"; at Millinocket, 0.68" was recorded.</p>
Copper Coils #1 Digester - Job 1309	Machining the special fittings of cast bronze.
N. T. Road Job 1310	<p>Placing ashes on mill end of road with company trucks.</p> <p>The old railroad embankment has been cut thru so that the road along the North shore is now rough graded the entire distance from the dam to the B. &amp; A. bridge. Started surfacing road on the dam end.</p> <p>Not very much more work can be accomplished on the underpass until the dragline is thru dredging just below the bridge.</p>
Pulpwood Trestle Repairs - Job 1312	<p>Seventy-five piles have been driven, reinforcing or replacing the original piles on 15 bents.</p> <p>Seventeen stringers, 168 ties, and 756 lineal feet of guard rail have been replaced.</p> <p>Bracing has been placed on 14 bays.</p> <p>Pile driver back on job and started driving again to-day, July 8th.</p>
Repairs to West- erly Coal Trestle Job 1314	Material received but no work started as yet.
New Sheaves #1 Conveyor - Job 1315	All five sheaves now on hand.
N.T. Power Ho. Job 413	<p>Demolishing old temporary buildings.</p> <p>Pouring second section of concrete walls and piers <sup>today,</sup> for the new log sluice. Pumping coffer dam day and night.</p>
Power House Eq. Job 414	<p>Mr. E. A. Taylor, one of Prof. Allen's men, arrived Friday night July 5th with the necessary salt velocity test equipment.</p> <p>Messrs. Kerr and Maynard of Baldwin-Southwark Corp. arrived Saturday morning, July 6th.</p> <p>Mr. Kelsey of G. E. Co. arrived this morning July 8th with calibrated instruments.</p> <p>Preliminary tests and checks being run Saturday, Sunday and Monday, July 6th, 7th, and 8th respectively on adjustable blade turbine.</p>
Tailrace Canal Job 415	<p>Dragline went up to station 18 + 80 and cut channel thru remaining obstruction. It is now working back downstream taking up its island and widening channel.</p> <p>Swamping road for the drag line to cross the railroad.</p>
Dict. RVW	(Over)
DATE MAILED	SIGNED <i>J. C. Bowler</i> Engineer
July 8th, 1935	



Grading around power house nearing completion.

Engineering  
Department

Designed new couch drive for #1 paper machine at Millinocket using a 24" McMahon clutch to replace the existing magnetic clutch. Making layout for a Taylor dump installation on the Frederick stackers at Millinocket. One man with crew on pulpwood trestle repairs; one man getting N. T. testing equipment in readiness; and one man resident engineer at North Twin. Made physical inventories at all three mills.

## Miscellaneous

P. C. Newbegin visited Friday, July 5th.  
Bangor Hydro transformer station at East Millinocket has  
been enclosed with a new chain-link fence.

## WEEKLY NEWS LETTER

FOR WEEK BEGINNING 8 A. M. **June 24th,** 1935 FROM **Engineering Department** LETTER NO. **26**

SUBJECT	DETAIL
<b>Water Storage</b>	<p>Maximum Capacity of Ripogenus and North Twin - 45,000 Mil. Cu. Ft.</p> <p>July 1st, 1934: " " " - 33,724 " " "</p> <p>" " " Total including Small Ponds - 43,073 " " "</p> <p>10 Yr. Avg. (July 1st) Ripogenus and North Twin - 39,732 " " "</p> <p>July 1st, 1935: Ripogenus Elev. 939.95 Storage 24,975 " " "</p> <p>North Twin " 492.10 " 13,460 " " "</p> <p>Ripogenus and North Twin " 38,435 " " "</p> <p>June 29th, 1935: Small Ponds " 4,853 " " "</p> <p>Total Penobscot Storage 43,288 Mil. Cu. Ft.</p> <p>June 25th, 1934: " Kennebec " 31,610 " " "</p> <p>" 24th, 1935: " " " 31,537 " " "</p> <p>Precipitation for the month of June at Ripogenus was reported as being 4.18"; at Millinocket, 3.99" was recorded.</p>
<b>Copper Coils #1 Digester - Job 1309</b>	All pattern work completed and started machine work on the bronze headers.
<b>N. T. Road Job 1310</b>	<p>Ashes placed on mill end of road for a distance of about two tenths of a mile.</p> <p>Diesel shovel and trucks have rough graded the road on the north shore between the dam and the old bridge abutment.</p> <p>Building rock and granite foundation for the underpass road at site of new railroad bridge.</p>
<b>Pulpwood Trestle Repairs - Job 1312</b>	Because of emergency repairs needed on the B. & A. main line at Island Falls, it was necessary to return their pile driver Wednesday night, June 26th. Seventy-five piles were driven before returning the pile driver, and at this writing ten bays are all redecked with some new stringers, ties, etc.
<b>Repairs to West- erly Coal Tres. Job 1314</b>	Creosoted timbers have been received and unloaded.
<b>New Sheaves #1 Conveyor - Job 1315</b>	One more sheave yet to be shipped.
<b>N. T. Power Ho. Job 413</b>	<p>First section of concrete wall and piers for new log sluice poured and forms stripped. Now building forms for second section which will take to the apron of the dam. Pumping cofferdam day and night.</p> <p>Salvaging and cleaning second-hand lumber.</p> <p>Cleaning construction plant and hauling to storage yard.</p> <p>Steelwork for log sluice unloading to-day.</p>
<b>Power House Eq. Job 414</b>	Assembling testing equipment, so as to have all in readiness for next week.
<b>Tailrace Canal Job 415</b>	Only one dragline operating now and that is at station 19 + 50, just below the bridge, working its way up the North shore.
<b>Transmission Line - J. 416</b>	Chain link fence enclosure around the North Twin transformer station is completed.
<b>Repairs to N.T. Dam - Job 417</b>	<p>Gateways 27 and 28 bulkheaded and unwatered. Starting to cut away laitance joints. Bulkheading off gateways 21 and 22.</p> <p>Hand grading banks and yard at south end of dam and building.</p>
	Dict. RVW
	(Over)

DATE MAILED

July 1, 1935

SIGNED

J C Bowler Engineer

**Engineering Department**

Designing new couch drive for #1 paper machine at Millinocket using a 24" McMahon clutch to replace the old magnetic clutch. Making layout for installation of a Taylor dump on the Frederick stokers at Millinocket. One man getting testing equipment ready for North Twin; one man working with crew on pulpwood trestle repairs; and one man on vacation. Surveying Town lots.

**Miscellaneous**

Frank Leaman, Baldwin-Southwark erector, examined I. P. Morris wheels at Millinocket during the week. Last week, he examined the I. P. Morris wheels at Dolby.

Mr. Allen of Braman Dow & H. P. Ackerman of American Car & Foundry Co. visited Tuesday, June 25th.

F. T. Dolbeare visited Tuesday & Wednesday, June 25th and 26th respectively.

Mr. Pike of Falk Coupling Co. & Mr. Richardson of G. E. Co. visited Thursday, June 27th.

Mr. Crane, engineer for the Inland Fisheries and Game Department of the State of Maine, visited and inspected new fishway at North Twin Thursday, June 27th.

L. O. Bidstrup of Ingersoll-Rand Co. visited Friday, June 28th.

*[Handwritten signature]*

July 1, 1933



## WEEKLY NEWS LETTER

FOR WEEK BEGINNING 8 A. M.

June 17,

19 35 FROM Engineering Department

LETTER NO. 25

SUBJECT	DETAIL
Water Storage	<p>Maximum Capacity of Ripogenus and North Twin - 45,000 Mil. Cu. Ft.</p> <p>June 24th, 1934: " " " " - 34,043 " " "</p> <p>" " " Total including Small Ponds - 43,692 " " "</p> <p>10 Yr. Avg. (June 24th) Ripogenus and North Twin - 39,891 " " "</p> <p>June 24th, 1935: Ripogenus Elev. 938.85 Storage - 23,671 " " "</p> <p>North Twin " 492.10 " 13,460 " " "</p> <p>Ripogenus and North Twin 37,131 " " "</p> <p>June 22nd, 1935: Small Ponds 5,359 " " "</p> <p>Total Penobscot Storage 42,490 Mil. Cu. Ft.</p> <p>" 18th, 1934: " Kennebec " 31,552 " " "</p> <p>" 17th, 1935: " " " 31,857 " " "</p> <p>Precipitation for the first twenty-three days of June at Ripogenus 4.18" was reported; at Millinocket 3.99" was recorded.</p>
Copper Coils #1 Digester Job 1309	<p>Pattern work on headers completed and they are now at the foundry ready for casting.</p>
N. T. Road Job 1310	<p>Ashes placed on mill end of road for approximately 200 yards.</p> <p>Diesel shovel and trucks grading road on North side of river between the dam and B. &amp; A. bridge. Rough graded for about 1/2 of the distance.</p> <p>Building rock and granite foundation for road underpass at Railroad Bridge.</p>
Pulpwood Trestle Repairs - Job 1312	<p>At this writing, 57 piles have been driven and capped. To-morrow, June 25th, will take us to the break.</p> <p>We have just received word however that we will have to release the B. &amp; A. pile driver Wednesday night, June 26th, for an emergency job on their main line at Island Falls.</p> <p>Deutschbein riggers crew salvaged broken freight cars from river, and B. &amp; A. derrick car removed same to their Derby repair shop.</p>
New Sheaves #1 Conveyor Job 1315	<p>Four Sheaves now received. This leaves only one to be shipped.</p>
Dolby Drums Lower Wd. Room Job 2173	<p>The conveyor changes have been completed so that wood may be piled out at any time. Job may now be closed.</p>
Hydraulic Lathe Job 3121	<p>The hydraulic lathe for Madison has been completed and was shipped from East Millinocket Thursday, June 21st.</p>
N. T. Power Ho. Job 413	<p>Built platform for gravel storage and unloading two carloads to-day, June 24th.</p> <p>Pumping cofferdam day and night and building forms for concrete foundation of new log sluice.</p>
Power Ho. Eq. Job 414	<p>Making preparations for test of Water wheels.</p>
Tailrace Canal Job 415	<p>Dragline No. 1 completed excavation and grading of the south shore and was laid down this morning, June 24th.</p> <p>Dragline No. 2 at about station 20 + 40 dredging in river and casting to final disposal.</p>
Dict. RVW	(Over)

DATE MAILED

June 24th, 1935

SIGNED

J. C. Bowler Engineer



**Transmission Line**  
**Job 416**

Concreted slab around the transformer station at North Twin and erecting fence posts for the chain link fence enclosure.

**Repair to N.T.**  
**Dam - Job 417**

Concrete slab at entrance to main building completed. Hand grading bankings. Diver and crew bulkheading off gates 27 and 28, the first two at the North end of the dam.

**Engineering**  
**Department**

Making studies of pulpwood unloading conveyor along the railroad track at Millinocket. Studying pulpwood unloading possibilities at North Twin. Making preparations for testing water wheels at North Twin. Working on experimental rosser. Making study of possibility of installing Taylor dump on Frederick stokers at Millinocket. One man on vacation.

**Miscellaneous**

W. A. Broman of Foote Bros. called Friday, June 21st. Frank Leaman, Baldwin-Southwark representative, has completed examination of I. P. Morris water wheels at Dolby. He is now examining the Millinocket wheels.

## WEEKLY NEWS LETTER

FOR WEEK BEGINNING 8 A. M. June 10, 1935

19

FROM Engineering Dept.

LETTER NO. 24

SUBJECT	DETAIL
Water Storage	<p>Maximum Capacity of Ripogenus and North Twin - 45,000 Mil. Cu. Ft.</p> <p>June 17th, 1934: " " " " - 33,985 " " "</p> <p>" " " Total including Small Ponds - 43,712 " " "</p> <p>10 Yr. Avg. (June 17th) Ripogenus and North Twin - 39,715 " " "</p> <p>June 17th, 1935: Ripogenus Elev. 936.90 Storage - 21,434 " " "</p> <p>North Twin " 491.90 " - 13,320 " " "</p> <p>Ripogenus and North Twin " - 34,754 " " "</p> <p>June 15th, 1935: Small Ponds " - 5,253 " " "</p> <p>Total Penobscot Storage 40,007 " " "</p> <p>" 11th, 1934: " Kennebec " 31,633 " " "</p> <p>" 10th, 1935: " " " 31,813 " " "</p> <p>Precipitation for the first sixteen days of June at Ripogenus was reported as being 3.03"; at Millinocket 2.34" was recorded.</p>
Copper Coils #1 Digester Job 1309	<p>Installing flanges on the copper pipe which has been bent to the proper diameters.</p> <p>Pattern maker working on pattern for the straight headers.</p>
N. T. Road Job 1310	<p>Hauling ashes and placing on the mill end of the road.</p> <p>Crew demolishing the old North abutment and hauling granite blocks to the underpass. Placing big rocks and boulders for bottom of road at underpass.</p> <p>Diesel shovel digging in bank on North shore loading trucks with fill for the new road.</p>
Pulpwood Trestle Repairs - Job 1312	<p>Four bents of pulpwood trestle collapsed Wednesday morning, June 12th, and as a result three B.A.A. freight cars loaded with pulpwood toppled into the water.</p> <p>Started driving piles Thursday afternoon, June 13th, using the B. &amp; A. pile driver. At this writing 18 piles are driven. This represents repairs to four bents.</p> <p>Deutschbein rigger and diver crews making preparations to haul the three freight cars out of the water, onto the shore. One box car and one rack car platform are on the bank to-night.</p>
New Sheaves #1 Conveyor - Job 1315	<p>Three of the sheaves (one driver and two of the idlers) have been received.</p>
N. T. Power House - Job 413	<p>Rigging crew has completed erection of the derrick at East Millinocket which the mill loaned the North Twin job.</p> <p>Forms removed from septic tank and tile drains laid.</p> <p>Excavation for log sluice foundation completed and started building forms.</p>
Power House Eq. Job 414	<p>Change to the linkage on #2 turbine completed, and the unit is in service again. Station developing 5700 K.W. under a head of 29.8 Ft. to-day, June 17th.</p>
Tailrace Canal Job 415	<p>Dragline #1 working along the south shore immediately above the bridge, at about station 16. This week should clean up the excavation and grading of the south shore above the bridge.</p> <p>Dragline #2 is working its way up the north shore and is about at station 21 + 75, about 400 Ft. below the railroad bridge.</p>

Dict. RVW

(Over)

DATE MAILED

June 17th, 1935

SIGNED

J. C. Bowler Engineer

Transmission Line Job 416	Backfilling around base of transformers at North Twin, preparatory to concreting the floor.
Repairs to N.T. Dam - Job 417	Grading around south end of building and have poured concrete at the main entrance. Making preparations to coffer off two gates at North end of dam.
Engineering Department	Making study of new boiler for East Millinocket mill. Making preparations for testing North Twin water wheels (test scheduled for week of July 8th). Working on experimental rosser. One man with crew repairing pulpwood trestle, and two men all week making a check survey of the Millinocket coal pile.
Miscellaneous	Lester Smith and E. E. Hooper accompanied by Messrs. Jewell & Hoxie of the Wabash Railroad, visited Wednesday, June 12th.

GREAT NORTHERN PAPER COMPANY  
WEEKLY NEWS LETTER

FOR WEEK BEGINNING 8 A. M. **June 3, 1935** 19 FROM **Engineering Department** LETTER NO. 23

SUBJECT	DETAIL
Water Storage	<p>Maximum Capacity of Ripogenus and North Twin - 45,000 Mil. Cu. Ft.</p> <p>June 10th, 1934: " " " " - 33,630 " " "</p> <p>" " " Total including Small Ponds - 42,600 " " "</p> <p>10 Yr. Avg. (June 10th) Ripogenus and North Twin - 39,108 " " "</p> <p>June 10th, 1935: Ripogenus Elev. 935.55 Storage 19,949 " " "</p> <p>North Twin " 491.15 " 12,795 " " "</p> <p>Ripogenus and North Twin " 32,744 " " "</p> <p>June 8th, 1935: Small Ponds 5,519 " " "</p> <p>Total Penobscot Storage 38,263 " " "</p> <p>June 4th, 1934: " Kennebec " 31,572 " " "</p> <p>" 3rd, 1935: " " " 31,600 " " "</p> <p>Precipitation for the first nine days of June at Ripogenus was reported as being 0.85"; at Millinocket, 0.71" was recorded. This entire rainfall was recorded Sunday, June 9th. Started raining again this afternoon about 2:30 o'clock.</p>
Copper Coils #1 Digester Job 1309	<p>Copper pipe has been bent into the proper sized coils.</p> <p>Pattern completed for the straight header and pattern for the bent header nearing completion.</p>
N. T. Road Job 1310	<p>Hauling ashes from the mill where the new road leaves the existing road.</p> <p>Diesel shovel moved onto the dam end of the road and is loading trucks with fill for the roadbed along the north shore.</p> <p>Ginnywink derrick and crew placing big rocks for paving of roadway under north end of railroad bridge.</p>
Repairs to Pulpwood Trestle	<p>Piles are all peeled.</p> <p>Cast iron points are being delivered by the Millinocket Foundry Co.</p>
New Sheaves #1 Conveyor - Job 1315	<p>Two of the five new sheaves have been received.</p>
Dolby Drums Lower Wd. Rm. Job 2173	<p>Direction of rotation on the drums have been reversed so as to give a better entrance condition, and the capacity has been increased materially.</p>
Hydraulic Lathes Job 3121	<p>Castings have been received from the Millinocket Foundry and the machine work is about 50% completed.</p>
N. T. Power Ho. Job 413	<p>Coffer for the new log sluice has been unwatered and excavation for the concrete foundation piers has been started. Cutting concrete from gateway #11, where the new sluice will be installed.</p> <p>Septic tank and cesspool have been completed and the sanitary tile connecting same to power house laid.</p> <p>Rigging crew at East Millinocket to erect the derrick and hoisting engine which the mill had loaned to North Twin job.</p>
Power House Eq. Job 414	<p>Frank Leaman, Baldwin-Southwark waterwheel erector back on job Tuesday, June 4th. He is now changing linkage on #2 turbine.</p>
Tailrace Canal Job 415	<p>Dragline #1 working along south shore at about station #13, completing the excavation and sloping bank.</p> <p>Dragline #2 at about station 22 + 60 working its way up the north shore, dredging from midstream.</p>
Dict. RVW	(Over)

DATE MAILED

June 10, 1935.

SIGNED

*F. C. Bowler*

Engineer.



**Repairs to N.T.  
Dam - Job 417**

Hand grading around south entrance of power house and the transformer station.

Diver and crew chinking gates at north end of dam to get them tight as possible.

**Engineering  
Department**

Completed layout for change to water conveyor feeding grinders, so that white water may be utilized in the cold weather. Making various studies for new pulpwood unloading conveyor along the railroad track. Making preparations for testing North Twin water wheels. Working on experimental rosser. Making C-Drawing of Madison screen room. Started a check survey of the Millinocket coal pile to-day with a new survey party.

**Miscellaneous**

W. O. McKay visited Wednesday and Thursday, June 5 and 6th respectively.

B. Mills, Jr., of Pittsburg Piping & Equipment Co. visited Wednesday, June 5th.

One man starting vacation to-day June 10th.

W. T. Bond  
Job 1110

W. T. Bond  
Job 1110

W. T. Bond  
Job 1110

W. T. Bond  
Job 1110

W. T. Bond  
Job 1110

GREAT NORTHERN PAPER COMPANY  
WEEKLY NEWS LETTER

FOR WEEK BEGINNING 8 A. M.      **May 27th,**      1935 FROM      **Engineering Department**      LETTER NO.      **22**

SUBJECT	DETAIL
Water Storage	<p>Maximum Capacity of Ripogenus and North Twin - 45,000 Mil. Cu. Ft.</p> <p>June 3rd, 1934: " " " " - 35,099 " " "</p> <p>" " " Total including Small Ponds - 44,212 " " "</p> <p>10 Yr. Avg. (June 3rd) Ripogenus &amp; North Twin - 38,519 " " "</p> <p>June 3rd, 1935: Ripogenus Elev. 935.05 Storage 19,410 Mil. Cu. Ft.</p> <p>North Twin " 490.10 " 12,060 " " "</p> <p>Ripogenus and North Twin 31,470 " " "</p> <p>June 1st, 1935: Small Ponds 7,234 " " "</p> <p>Total Penobscot Storage 38,704 " " "</p> <p>May 28th, 1934: " Kennebec " 21,537 " " "</p> <p>" 27th, 1935: " " " 30,363 " " "</p> <p>Precipitation for May at Ripogenus was reported as being 3.15"; at Millinocket, 1.82" was recorded.</p>
Grinder Motor Job 1302	Messrs. Wade of G.E. Co. and Schneider of Falk Coupling Co. visited Thursday and Friday, May 30th and 31st. Some limit stops were installed on the Falk Coupling which seem to have helped.
Repairs to Dig. Trusses - Job 1308	Completed except for removal of shoring.
Copper Coils #1 Digester - Job 1309	Tubing received and mill pipers bending into proper coil sizes. Patterns being made in the shop for the acid resisting bronze headem.
N. T. Road Job 1310	Ashes are placed for about 400 feet from the existing road.
Repairs to Pulp wood Trestle Job 1312	Piles about 50% peeled.
Dolby Drums in Lower Wood Rm. Job 2173	Installation completed and in service. Drums were barking at approximate rate of 19-1/2 cords per hour when observed this morning.
Hydraulic Lathe Job 3121	Millinocket Foundry making castings and machinists making some of the small parts.
N.T. Power Ho. Job 413	<p>Changes to Power House Coffe, for the new log sluice, completed and unwatered. Cutting old concrete from gateway #11 where new sluice will be installed.</p> <p>Building forms for septic tank. Excavating trench for sewer line and cesspool.</p>
Tailrace Canal Job 415	<p>One dragline working between station 12 and 13 on the South shore. Completing excavation high spots and sloping South bank.</p> <p>The other dragline is working along the North shore at about station 23 + 50 dredging from midstream and casting to shore.</p>
Repairs to N.T. Dam - Job 417	Rough grading around the transformer station and South entrance to power house has been completed, and the Diesel shovel is being moved to the North Twin Road (Job 1310) to-day, June 3rd.
	Dict. RVW (Over)

DATE MAILED      **June 3rd, 1935**

SIGNED      *F. C. Boulder*      **Engineer.**

**Engineering**

**Department**

Working on change to water conveyor feeding grinders, so that warm white water may be utilized in the winter for removing ice and grit from the wood. Designing new conveyor for unloading pulpwood which comes in by rail at Millinocket. Making preparations for testing North Twin water wheel units. Working on experimental rosser model in shop. Made physical inventories at all three mills.

**Miscellaneous**

E. W. Prouty left for Seboomook Tuesday, May 28th and returned Friday, May 31st.

K. C. Gosling of Walsh Holyoke Steam Boiler Works, called Wednesday, May 29th.

S. J. Leen of Bangor visited Friday, May 31st.

GREAT NORTHERN PAPER COMPANY  
WEEKLY NEWS LETTER

FOR WEEK BEGINNING 8 A. M.

**May 20,**

19 **35** FROM **Engineering Department**

LETTER NO.

**21**

SUBJECT	DETAIL
Water Storage	<p>Maximum Capacity of Ripogenus and North Twin - 45,000 Mil. Cu. Ft.</p> <p>May 27, 1934: " " " " - 36,109 " " "</p> <p>" " " Total including Small Ponds - 46,085 " " "</p> <p>10 Yr. Avg. (May 27th) Ripogenus and North Twin - 37,480 " " "</p> <p>May 27th, 1935: Ripogenus Elev. 934.90 Storage 19,250 " " "</p> <p>North Twin " 488.70 " 11,083 " " "</p> <p>Ripogenus and North Twin " 30,333 " " "</p> <p>May 25th, 1935: Small Ponds " 7,427 " " "</p> <p>Total Penobscot Storage 37,760 " " "</p> <p>May 21st, 1934: " Kennebec " 31,014 " " "</p> <p>" 20th, 1935 " " " 29,468 " " "</p> <p>Precipitation for the first twenty-six days of May at Ripogenus is reported as being 1.79"; at Millinocket 1.13" has been recorded.</p>
Grinder Motor Job 1302	Motor operated all week at about a 1340 K.W. load with bearing temperatures of 48° to 52° Centigrade.
Repairs to Dig. Trusses - Job 1308	All steel work completed. The shoring will probably be removed during the week.
N.T. Road - Job 1310	Clearing of right-of-way completed. Mill hauling ashes where the new road joins the existing road.
Repairs to Pulp- wood Trestle Job 1312	Material all ordered, piles have been received from the Spruce Wood Department, and a crew has started peeling them.
Dolby Drums in Lower Wood Rm. Job 2173	Bearings received and installed. Replacement couplings received so shafting was taken back to shop to have the new ones shrunk on properly. Job should make some headway this week.
Hydraulic Lathes Job 3121	Some of the patterns completed and delivered to the Millinocket Foundry for casting.
N. T. Power House - Job 413	Divers assisting crew in removal of section of Power House Coffe to make way for the foundation of the new log sluice. Dismantling old Boiler House. The East Millinocket steel derrick, which was erected at the south end of the Power House, was taken down Sunday, May 26th.
Power House Eq. Job 414	Equipment all in good running order now.
Tailrace Canal Job 415	One dragline working along the south shore between the bridge and the dam, leveling off roadway and grading shore line. The other dragline working across the river at about station 23.15.
Repairs to NT Dam p Job 417	The 3/4 Yd. Diesel shovel was overhauled yesterday, May 26th, and put back to work again this morning grading yard and excavating trench for installation of Septic Tank.
Engineering Department	Made layout for repairs to pulpwood unloading trestle and ordered balance of material required. Making new C-drawing of Millinocket Mill Yard. Working on experimental rosser model in the mill shop. Making C-drawing of Madison Screen Room. Studying barker installation for Madison Mill; and, surveying Town lots.
Dict. RVW	(Over)

**May 27, 1935**

DATE MAILED

SIGNED

Engineer

*J. C. Bowler*



L. R. Smith and C. E. Hooper, visited Thursday, May 23rd.

P. C. Newbegin, B. & A. Chief Engineer, called  
L. R. Smith and C. E. Hooper, visited Thursday

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GREAT NORTHERN PAPER COMPANY  
WEEKLY NEWS LETTER

FOR WEEK BEGINNING 8 A.M. May 13, 1935 19 FROM Engineering Department LETTER NO. 20

SUBJECT	DETAIL
Water Storage	<p>Maximum Capacity of Ripogenus and North Twin - 45,000 Mil. Cu. Ft.</p> <p>May 20th, 1934: " " " " - 35,765 " " "</p> <p>" " " Total including Small Ponds - 45,501 " " "</p> <p>10 Yr. Avg. (May 20th) Ripogenus and North Twin - 36,708 " " "</p> <p>May 20th, 1935: Ripogenus Elev. 933.54 Storage 17,822 " " "</p> <p>North Twin " 488.85 " 11,187 " " "</p> <p>Ripogenus and North Twin 29,009 " " "</p> <p>May 18th, 1935: Small Ponds 8,877 " " "</p> <p>Total Penobscot Storage 37,886 " " "</p> <p>May 14th, 1934: " Kennebec " 29,885 " " "</p> <p>" 13th, 1935: " " " 27,427 " " "</p> <p>Precipitation for the first nineteen days of May at Ripogenus is reported as being 1.61"; at Millinocket 0.90" has been recorded.</p>
Grinder Motor Job 1302	<p>A new grinder stone and shaft has been installed to replace the shaft than had been worn down. This new stone was then carefully lined up to the Falk coupling to the satisfaction of Ruedy and Goulet of the General Electric Co. The Motor operated at 1000 K.W. during the night and was stepped up to about 1400 K.W. this morning at 8 A.M. At this writing the bearing had only heated up two degrees although the tendency is for the motor to pull downstream under heavy load.</p>
Repairs to Digester Trusses Job 1308	<p>Inactive this past week.</p>
N.T. Road Job 1310	<p>Clearing and burning right-of-way along the north bank of the river, above the bridge.</p> <p>Installed one culvert and hauling ashes where the new road joins the existing road.</p>
Booms at N. T. Job 1311	<p>Sluicing boom completed and in service.</p> <p>Bathurst boom built and launched in the water but not strung in its final location as yet.</p>
Repairs to Pulp- wood Trestle Job 1312	<p>Repaired the mud sill and the first bent on the north end of the pulpwood trestle. All cars were banned off the trestle until these temporary repairs were made.</p> <p>Requisitions for new piles, pile points, etc., have left this office.</p>
Dolby Drums in Lower Wood Rm. Job 2173	<p>Raised the cross conveyor to its approximate location. Modified the entrance conveyor. Installing the driving gears.</p> <p>Waiting for the new bearings.</p>
Hydraulic Lathe Job 3121	<p>The East Millinocket shop has started the pattern work for the Madison grinder lathe.</p>
N. T. Power Ho. Job 413	<p>Fishway walls and partitions have been planked and the fishway put into service.</p> <p>Diver and crew building bulkhead between Power House coffer and concrete wall of log sluice. Excavating and disposing fill from section of Power House coffer where the new log sluice will be located.</p> <p>Dismantling old carpenter shop and the stiff-leg derrick which are in the way of the yard grading.</p>
	<p>Dict. RVW (Over)</p>

DATE MAILED

May 20, 1935

SIGNED

*J. C. Bowler* Engineer

**Power House Eq.  
Job 414**

The new thrust bearing for No. 3 unit was installed and put into service (without electrical load) Thursday May 16th. At the end of 25 minutes the bearing had heated 22 degrees C, so was shut down. Mr. Gordon of the G. E. Co. at Schenectady and Mr. Ruedy of the G. E. Co. at Boston arrived Friday afternoon, May 17th. One plate of the bearing was taken to East Millinocket and a few thousands of the babbitt turned off; the other plate was honed by hand and the unit re-assembled and put into service yesterday (Sunday) afternoon. The unit has been run at all loads and is apparently all right now. Messrs. Gordon and Ruedy left for Bangor this afternoon, May 20th, to catch the Boston plane.

Frank Leaman, water wheel erector, is leaving the job to-night, May 20th.

**Tailrace Canal  
Job 415**

Both shovels have been repaired and put into service; one below the bridge and the other at about station 10 on the south shore.

**Repairs to N.T.  
Dam - Job 417**

The 3/4 yard Diesel shovel has been put into service and is digging and grading at yard entrance to the Power House. Material being disposed along dike adjoining the storage yard.

**Engineering  
Department**

Inspected Pulpwood Trestle with B. & A. Engineers and ordered necessary materials for repairing same; checked drawings of copper coil for No. 1 digester and issued requisitions for necessary material; completed assembly drawing for new log sluice at North Twin, checked and issued prints of same; working on experimental rosser model in the mill shop; studying proposed ground wood system for Madison Mill; line and grades furnished Town for extension to Arcostock Ave.; and line and grade furnished Millinocket Water Co. for new 6" main on Arcostock Av. extension.

**Miscellaneous**

Mr. Strout, B. & A. Bridge & Building Supt., visited Tuesday, May 14th.

Mr. Passmore of Walworth Co. visited Wednesday, May 15th.

Messrs. Newbegin and Noyes visited Thursday, May 16th.

Mr. Estes, Factory Insurance Association, making regular inspection during latter part of the week.

Fire broke out Saturday afternoon, May 18th in a pile of dri-ki on the point in Ferguson Pond just above the head gates. Storehouse partially damaged but with the direction of the wind from the North, the loss was held to a minimum.

GREAT NORTHERN PAPER COMPANY  
WEEKLY NEWS LETTER

FOR WEEK BEGINNING 8 A. M. **May 6th,**

19 **35** FROM **Engineering Department**

LETTER NO. **19**

SUBJECT	DETAIL
Water Storage	<p>Maximum Capacity of Ripogemus and North Twin - 45,000 Mil.Cu.Ft.</p> <p>May 13th, 1934: " " " " - 35,950 " " "</p> <p>" " " Total including Small Ponds - 45,726 " " "</p> <p>10 Tr. Avg. (May 13th) Ripogemus and North Twin - 34,805 " " "</p> <p>May 13th, 1935: Ripogemus Elev. 929.35 Storage 13,674 Mil. Cu. Ft.</p> <p>North Twin " 489.25 " 11,465 " " "</p> <p>Ripogemus and North Twin " 25,139 " " "</p> <p>May 11th, 1935: Small Ponds 8,317 " " "</p> <p>Total Penobscot Storage 33,456 " " "</p> <p>May 7th, 1934: " Kennebec " 27,034 " " "</p> <p>" 6th, 1935: " " " 22,753 " " "</p> <p>Precipitation for the first twelve days of May at Ripogemus is reported as being 0.91"; at Millinocket 0.71" has been recorded.</p>
Grinder Motor Job 1302	<p>Messrs. R. J. Ruedy and J. A. Goulet of General Electric Co. arrived Sunday morning and are examining #5 Grinder Motor and Falk Coupling to try and determine the cause of the motor bearing running hot under full load.</p>
Repairs to Dig- ester Trusses Job 1308	<p>Very little work done this week. Truss work completed except for removing shoring under #3.</p> <p>About one more days work on the repairs to the upper end of the conveyor uptake.</p>
N. T. Road Job 1310	<p>The right-of-way has been cleared and burned from the existing road down to the B &amp; A bridge.</p> <p>Started hauling ashes from the mill, this morning.</p>
Rewiring 60 cycle Motor to 40 Cycle	<p>Completed wiring change on #6 motor Thursday, May 9th.</p> <p>Both motors now running on our own 40 cycle current.</p>
Dolby Drums in Lower Wood Rm. Job 2173	<p>Shafting received but the couplings are a very bad fit, and should be replaced. Bearings have been shipped. Repairing the Dolby drums before moving them into the room.</p>
N.T. Power Ho. Job 413	<p>Fishway has been concreted and are starting the plank work.</p> <p>Built temporary log sluice so that Spruce Wood crew could start sluicing wood out of Elbow this morning, May 13th.</p> <p>Diver back on job and he is cleaning bottom in front of gate opening #11 preparatory to sinking cofferdam. This is the gate opening where the new log sluice is to be built.</p> <p>Removing fill so as to modify the river arm coffer in connection with the building of the new log sluice.</p> <p>Painters washing windows and painting sash.</p>
Power House Eq. Job 414	<p>Repair parts for the Generator Thrust Bearing on No. 3 unit were received by express Saturday A.M., May 11th.</p> <p>C. Collins, Generator Erector, arrived Saturday morning also, and the bearing is being reassembled.</p>
Tailrace Canal 415	<p>Steam shovel between the bridge and the dam has been repaired and will be put into service sometime to-day, May 13th.</p> <p>Overhauling the other steam shovel which is located below the bridge.</p>
Dict. RVW	(Over)

DATE MAILED

May 13, 1935

SIGNED

*J. C. Bowler*

Engineer



**Repairs to N.T. Dam - Job 417** Practically no work started by the Deutschbein crew yet, as the rush has been to pick up the loose ends on the power house job and get the steam shovels repaired.

**Booms at North Twin** The sluicing boom has been completed and is in service to-day, May 13th.  
A start has been made on the Bathurst booms.

**Engineering Department** Completed drawings for the copper steam coils for #1 digester at Millinocket and they are now being checked. Completed the detailed drawings for the new log sluice at North Twin and requisitioned the material needed; now working on the assembly drawing. Working on experimental wood barker in conjunction with the Bureau of Economy. Studying the proposed division of Madison Ground Wood system. Completed inventory figures.

**Miscellaneous** George Kent of St. Croix, and T. Whittier of George Hardy's office, visited Tuesday, May 7th.  
Mr. Pratt of Morse Chain Co. visited Tuesday, May 7th.  
Frank Rogers of Baldwin-Southwark Corp. visited Wednesday and Thursday, May 8th and 9th respectively.  
Messrs. Willard and Cumming of Link Belt Co. visited Wednesday, May 8th.

GREAT NORTHERN PAPER COMPANY  
WEEKLY NEWS LETTER

FOR WEEK BEGINNING 8 A. M.

April 29,

19 35 FROM

Engineering Department

LETTER NO.

18

SUBJECT

DETAIL

**Water Storage**

Maximum Capacity of Ripogenus and North Twin	-	45,000 Mil. Cu. Ft.
May 6th, 1934: " " " "	-	31,349 " " "
" " " Total including Small Ponds	-	40,982 " " "
10 Yr. Avg. (May 6th) Ripogenus and North Twin	-	30,480 " " "
May 6, 1935: Ripogenus Elev. 927.83	Storage	12,272 Mil. Cu. Ft.
North Twin " 485.80	"	9,082 " " "
Ripogenus and North Twin	"	21,354 " " "
May 4, 1935: Small Ponds		7,750 " " "
Total Penobscot Storage		29,104 Mil. Cu. Ft.
May 1st, 1934: " Kennebec "		22,431 " " "
Apr. 29, 1935: " " "		15,433 " " "

Precipitation for the month of April at Ripogenus is reported as being 3.85"; at Millinocket 3.89" has been recorded.

**Grinder Motor  
Job 1302**

Still having trouble with the bearing on #5 Grinder Motor. Taking the Falk flexible coupling apart to-day for examination.

**Repairs to Dig.  
Trusses - Job  
1308**

No. 3 truss repairs completed except for removing the timber and steel shoring. Started repairs to upper end of steel supporting uptake conveyor.

**N. T. Road  
Job 1310**

About 80 to 85% of the right-of-way, from the existing road to the B. & A., has been cleared and burned.

**Rewiring 60 Cy.  
Motors to 40 Cy.**

No. 5 grinder motor was completely rewound for 40 cycle operation and put into service Thursday, May 2nd. Work on No. 6 Grinder motor is being rushed and should be completed by Thursday of this week.

**Dolby Drums in  
Lower Wood Rm.  
Job 2173**

Steelwork, and concrete piers supporting same, for the Dolby drums and their drive, is all in place. Awaiting delivery of bearings, shafting, and couplings.

**N.T. Power  
House - Job  
413**

Painting steel inside of gate house. H. J. Deutschbein crew started to-day, May 6th, dismantling covering over fishway, so that the work that was discontinued last winter may be resumed.

**Power House Eq.  
Job 414**

No. 1 and No. 2 generators developing 4100 K.W. under a head of 23.3 feet to-day. Awaiting new parts for the thrust bearing on No. 3 generator.

**Tailrace Canal  
Job 415**

H. J. Deutschbein crew starting to-day (May 6th) to repair steam shovels.

**Repairs to N.T.  
Dam - Job 417**

Old laitance joints in concrete around the big log sluice and the two small log sluices, have been repaired under the supervision of Mr. Richards of this department. H. J. Deutschbein Co. crew started to-day (May 6th) to repair balance of dam.

**Booms at North  
Twin**

Material received and Spruce Wood crew have the timbers in place for the sluicing boom; all ready to be bored and bolted to-gether.

Dict. RVW

(Over)

DATE MAILED

May 6th, 1935

SIGNED

*J. C. Butler*

Engineer

**Engineering  
Department**

Detailing pipe coils, headers, etc. for installation inside of No. 1 digester at Millinocket; detailing and checking drawings for the North Twin log sluice; working on experimental wood barker; checked drawing of hydraulic lathe for Madison grinders; and issued job record; working on division of ground wood system at Madison; made physical inventory at all three mills; surveying town lots; surveying airport.

**Miscellaneous**

Mr. Knight of Johns-Manville called Tuesday, April 30th.  
Messrs. Start and Stafford of Rice-Barton & Fales Co. visited Wednesday, May 1st.  
H. W. Chase back from Madison Thursday, May 2nd.  
Professor Sweester of University of Maine visited Thursday, May 2nd.  
W. C. Rehfuess of Schutte & Koerting Co., visited Friday, May 3rd.

GREAT NORTHERN PAPER COMPANY  
WEEKLY NEWS LETTER

FOR WEEK BEGINNING 8 A. M. April 22nd 1935 FROM Engineering Department LETTER NO. 17

SUBJECT	DETAIL
Water Storage	<p>Maximum Capacity of Ripogenus and North Twin - 45,000 Mil. Cu. Ft.</p> <p>April 29th, 1934: " " " " - 24,666 " " "</p> <p>" " " Total including Small Ponds - 33,703 " " "</p> <p>10 Yr. Avg. (April 29th) Ripogenus and North Twin 25,097 " " "</p> <p>April 29th, 1935: Chesuncook Elev. 923.81 Storage 2,413 " " "</p> <p>Ripogenus " 917.35 " 3,546 " " "</p> <p>North Twin " 480.50 " 5,485 " " "</p> <p>Small Ponds " 5,474 " " "</p> <p>Total Penobscot Storage 16,918 " " "</p> <p>April 23rd, 1934: " Kennebec " 13,728 " " "</p> <p>" 22nd, 1935: " " " 8,584 " " "</p> <p>Precipitation for the first 28 days of April at Ripogenus is reported as being 3.60"; at Millinocket, 3.37" has been recorded.</p>
Grinder Motor Job 1301	Work completed and motor in operation.
Grinder Motor Job 1302	No. 5 grinder motor started up Friday afternoon April 26th but had to be shut down because the rear motor bearing got so hot. The cause of this trouble was found to-day when it was discovered that the stator of the motor had been assembled at the factory so that the center line of the stator and the center line of the rotor were not in the same plane. The stator is being jacked back (upstream) 5/16" and the bolt holes in stator redrilled. Ready for operation Tuesday.
Repairs to Dig. Trusses - Job 1308	Working on No. 3 truss which is the final one. This truss is about 75% repaired.
Dolby Drums in Lower Wood Room Job 2173	<p>The steel framework supporting the old drums was on a slope. This steel has been re-vamped and reinstalled so that the Dolby drums may be installed level.</p> <p>Three of the four sections of Dolby drums have been hauled down to East Millinocket.</p>
Rewiring 60 Cycle Motor to 40 Cycle	<p>No. 5 grinder motor is being converted back into a 40 cycle motor. The 60 cycle coils have been stripped from the rotor and the old 40 cycle coils are back in place.</p> <p>One G. E. man and mill electricians making necessary changes to the stator winding.</p> <p>Motor should be completely changed over by the latter part of the week.</p>
N.T. Power Ho. Job 413	<p>, Electricians working on balance of lighting system.</p> <p>Painters washing down the outside of the building brick walls with muriatic acid and painting sash and doors.</p>
Power House Eq. Job 414	<p>No. 1 and No. 2 units developing a total of 3000 K.W. under a head of 18.4 feet.</p> <p>Thrust bearing on No. 3 generator developed heat Saturday night, April 27th, and was shut down. General Electric erector and crew stripping bearing to try and locate trouble.</p>
Repairs to N.T. Dam - Job 417	Chipping and concreting old laitance joints around the sluice gates.
	Dict. RVW (Over)
DATE MAILED April 29, 1935	SIGNED JCBowler Engineer



**Engineering  
Department**

Detailing pipe coils, headers, etc., for installation inside of No. 1 Digester at Millinocket; made drawing and ordered all materials for booms in front of North Twin power house; detailing steel for North Twin log sluice; completed drawings for installation of Dolby drums in Lower Wood Room; working on experimental barker; working on division of groundwood mill at Madison; and surveying town and cemetery lots.

**Miscellaneous**

Charles Collins, G. E. Co. generator erector, back at North Twin Tuesday, April 23rd.

Messrs. Wade and Richardson of G. E. Co., visited Thursday and Friday April 25th and 26th respectively.

Messrs. Bowkett and Onney of National Tube Co., visited Thursday, April 25th.

Mr. Macaulay, safety and insurance inspector visited Friday, April 26th.

R. V. Weldon left for Madison Friday afternoon, April 26th and returned Sunday April 29th.

H. W. Chase at Madison all week re Ground Wood Division.

**N. T. Road  
Job 1310**

North Twin Road cleared and burned 1/3 of the way from the road to the river.

GREAT NORTHERN PAPER COMPANY  
WEEKLY NEWS LETTER

FOR WEEK BEGINNING 8 A. M.

April 15,

1935 FROM

Engineering Department

LETTER NO. 16

SUBJECT	DETAIL
Water Storage	<p>Maximum Capacity of Ripogenus and North Twin - 45,000 Mil. Cu.Ft.</p> <p>April 22nd, 1934: " " " " - 12,683 " " "</p> <p>" " " Total including Small Ponds - 18,587 " " "</p> <p>10 Yr. Avg. (April 22nd) Ripogenus and North Twin 20,027 " " "</p> <p>April 22nd, 1935: Ripogenus Elev. 894.30 Storage 000 " " "</p> <p>Chesuncook " 915.17 " 1,105 " " "</p> <p>North Twin " 474.90 " 1,826 " " "</p> <p>Norcross Cove 475.29 " 2,076 " " "</p> <p>April 16th, 1934: Kennebec Storage 4,043 " " "</p> <p>" 15th, 1935: " " 4,005 " " "</p> <p>Precipitation for the first twenty-one days of April at Ripogenus is reported as being 3.20"; at Millinocket, 3.38" was recorded.</p>
Grinder Motor Job 1301	All in readiness for operation.
Grinder Motor Job 1302	New parts for the damaged Messinger thrust bearing received at the mill this morning, April 22nd, and a start made at once on assembling the unit.
Repairs to Dig. Trusses - Job 1308	Nos. 6, 5 and 4 trusses now completed.
N.T. Power Ho. Job 413	Electricians installing lighting system inside of the gate house and along the outside west wall. Painters glazing and painting the inside of the steel sash.
Power House Equipment Job 414	Water wheel erector with small crew changing linkage in No. 1 unit at expense of Baldwin-Southwark Corp. No. 2 unit started at 12 noon giving 600 K.W. No. 3 unit will probably start its drying out run to-morrow, April 23rd.
Repairs to N.T. Dam - Job 417	The laitance joints around the two small, and the one big, sluices have been cleaned and concreted up to about elevation 477.00
Engineering Department	Studying changes in feed spouts to Millinocket Grinders so as to utilize white water during cold season; studying necessary changes for smooth press on #10 paper machine at Millinocket; designing new North Twin log sluice; making layout for installation of Dolby drums in the East Millinocket Wood Room; and making studies of Madison Ground Wood System.
Miscellaneous	<p>Mr. Harris to Millinocket Lake Friday, April 19th, and closed all gates.</p> <p>Mr. Trimby visited Friday, April 19th.</p> <p>Mr. Chase to Madison to-day re. study of proposed changes to Groundwood System.</p>
	Dict. RVW
DATE MAILED	<p>April 22, 1935</p> <p>SIGNED <i>J. C. Bowler</i> Engineer.</p>

GREAT NORTHERN PAPER COMPANY  
WEEKLY NEWS LETTER

FOR WEEK BEGINNING 8 A.M.

April 8th,

19 35 FROM Engineering Department

LETTER NO. 15

SUBJECT	DETAIL
Water Storage	<p>Maximum Capacity of Ripogemus and North Twin - 45,000 Mil. Cu. Ft.</p> <p>April 15th, 1934: - 1,135 " " "</p> <p>" " " Total including small ponds - 1,135 " " "</p> <p>10 Yr. Avg. (April 15th) Ripogemus and North Twin - 15,075 " " "</p> <p>April 15th, 1935: Ripogemus 893.56 Storage 000 " " "</p> <p>Ghesuncook 913.31 " 161 " " "</p> <p>North Twin 470.60 " 000 " " "</p> <p>Norcross 472.41 " 254 " " "</p> <p>Precipitation for the first 14 days of April is reported as being 1.40"; at Millinocket, 1.70" was recorded.</p>
Grinder Motor Job 1301	<p>Ran motor on #6 line the first four days of the week for Mr. Meyer to regulate and adjust his governor.</p> <p>Operated with one stone and also with two stones.</p>
Grinder Motor Job 1302	<p>Waiting for parts for the Messinger bearing which was damaged on its initial run.</p>
Repairs to Dig. Trusses - Job 1308	<p>No. 6 and No. 5 trusses completed, and now reinforcing No. 4 digester truss with new or additional members.</p>
N.T. Power Ho. Job 413	<p>Electricians have completed lighting system for the main room. Now installing lights in the pits.</p> <p>Electric heating units installed except for 2 or 3 on the switch-board level.</p> <p>Painters have completed the steel work and are now painting the machinery.</p>
Power House Equipment Job 414	<p>No. 3 unit all ready for drying out run as soon as there is water available to run the unit.</p> <p>Water wheel erector and small crew making a change in the linkage which operates the gates on #1 unit. This work being done at expense of Baldwin-Southwark Corp.</p> <p>C. Collins, G. E. Erector, left Thursday night, April 11th.</p>
Repairs to N.T. Dam - Job 417	<p>Some of the lowest joints have been concreted. Increased crew from 6 to 10 men this morning, April 15th, to hasten work so as to keep ahead of the water. Quite a few joints are all chipped clean ready for forms.</p>
Engineering Department	<p>Making study of change in feed spouts to Millinocket grinders, to enable use of white water during cold weather; making study of conveyors in Wood Room basement at Millinocket; making various studies of North Twin log sluice; making study of East Millinocket Wood room on basis of installing old Dolby drums; working with Bureau of Economy on experimental barker model; issued job record for copper tube installation in No. 7 digester; and figuring inventories at all three mills.</p>
Miscellaneous	<p>Mr. S. Bell, trucking contractor on tail race job, visited Monday, April 8th.</p> <p>Mr. Knight of Timken Bearing Co., visited Tuesday, April 9th.</p> <p>Adolph Meyer arrived Monday, April 8th, and left Thursday night, April 11th.</p> <p>Anton Haug visited Friday, April 12th.</p> <p>Dict. RVW</p>

DATE MAILED

April 15th, 1935

SIGNED

*J. C. Bowler* Engineer

GREAT NORTHERN PAPER COMPANY  
WEEKLY NEWS LETTER

FOR WEEK BEGINNING 8 A. M.

April 1st,

19 35 FROM

Engineering Department

LETTER NO.

14

SUBJECT	DETAIL
Water Storage	<p>Maximum Capacity of Ripogemus and North Twin - 45,000 Mil. Cu. Ft.</p> <p>April 8th, 1934: " " " " - 000 " " "</p> <p>" " " Total including Small Ponds - 000 " " "</p> <p>10 Yr. Avg. (April 8th) Ripogemus &amp; North Twin - 13,485 " " "</p> <p>April 8th, 1935: Ripogemus Elev. 890.08 Storage 000 " " "</p> <p>Chesuncook " 912.48 " 000 " " "</p> <p>North Twin " 470.50 " 000 " " "</p> <p>Norcross " 472.11 " 68 " " "</p> <p>April 2nd, 1934: Kennebec Storage 0 " " "</p> <p>" 1st, 1935: " " 3,077 " " "</p> <p>Precipitation for the first seven days of April at Ripogemus is reported as being 0.07"; at Millinocket 0.26" was recorded.</p>
Grinder Motor Job 1301	<p>Messinger thrust bearing that was for #5 line is now installed on #6 line. Mr. Adolph Meyer is here to-day, and motor started up after dinner, using about 700 K.W.</p>
Grinder Motor Job 1302	<p>No. 5 motor has completed its drying out run.</p> <p>Waiting for new parts for Messinger thrust bearing.</p>
Repairs to Dig. Ho. Trusses Job 1308	<p>No. 6 truss now completely installed and the load let down onto it.</p> <p>No. 4 truss is shored up and a start will be made to-morrow, April 9th, on the installation of the repair members.</p>
N.T. Power Ho. Job 413	<p>Painters cleaning and painting all exposed steel.</p> <p>Electricians installing lighting system.</p>
Power House Eq. Job 414	<p>Top casting on No. 3 unit developed a leak when oil pressure put on. Casting being built up with welding material in the mill shop and is ready to be tested at this writing. This work being done at expense of Baldwin-Southwark Corp. This unit practically ready for drying out, but no water to run it with.</p> <p>Entire plant down because of lack of water.</p>
Repairs to N.T. Dam - Job 417	<p>Small crew of men, under direction of Mr. Richards of this department, chipping out old laitance joints in upstream face of dam around the log sluice gates.</p>
Engineering Department	<p>Worked out preliminary details of copper tube coils for No. 7 Millinocket digester; a revised estimate for this installation will be issued to-morrow, April 9th. Designed stand to take reel of paper when the Cameron winder is behind, so as to eliminate danger of roll which is now held up by air hoist, from falling on and injuring men working on Pope Reel; working on various designs for new log sluice at North Twin dam; studying possibility of installing old dolby drum barker in East Millinocket Wood Room; made physical inventory at all three mills.</p>
Miscellaneous	<p>E. W. Prouty left for Seboomook Tuesday night, April 3rd and returned Friday morning, April 5th.</p> <p>Dict. RVW</p>
DATE MAILED	<p>April 8th, 1935</p>
SIGNED	<p><i>J. C. Bowler</i> Engineer.</p>



GREAT NORTHERN PAPER COMPANY  
WEEKLY NEWS LETTER

FOR WEEK BEGINNING 8 A. M. **Mar. 25th, 1935** IS FROM **Engineering Department** LETTER NO. **13**

SUBJECT	DETAIL
Water Storage	<p>Maximum Capacity of Ripogenus and North Twin - 45,000 Mil. Cu. Ft.</p> <p>April 1st, 1934: " " " " - 000 " " "</p> <p>" " " Total including Small Ponds - 000 " " "</p> <p>10 Yr. Avg. (April 1st) Ripogenus and North Twin - 13,990 " " "</p> <p>April 1st, 1935: Ripogenus Elev. 889.40 Storage 000 " " "</p> <p>Chesuncook " 912.23 " 000 " " "</p> <p>North Twin " 472.70 " 434 " " "</p> <p>Norcross " 473.75 " 1,093 " " "</p> <p>March 26th, 1934: Kennebec Storage 0 " " "</p> <p>" 25th, 1935: " " 2,555 " " "</p> <p>Precipitation for the month of March at Ripogenus reported as being 0.90" and at Millinocket 1.66" was recorded.</p>
Grinder Motor Job 1301	<p>Completed plastering of control house and exposed structural steel members painted.</p> <p>Started No. 6 grinder motor shortly after 5 P.M. Wednesday, Mar. 27th. Only ran a matter of ten or fifteen minutes when the new Messenger thrust bearing burned out.</p>
Grinder Motor Job 1302	<p>Motor for No. 5 grinder line has been lined, leveled and grouted in place.</p>
Transf. for Grd. Motors - Job 1303	<p>Transformer station in service. Completed except for a few odd jobs.</p>
Repairs to Dig. House Trusses Job 1308	<p>The new No. 6 truss will be completely bolted together to-night. Shoring can then be moved to the next truss to be repaired.</p>
N.T. Power Ho. Job 413	<p>Concrete floor work completed.</p> <p>Extension of dam deck in front of trash racks concreted and forms removed.</p> <p>Charles Eklund, Supt. of H. J. Deutsches Co.'s crew, and practically all of his crew laid off Sunday night, March 31st. A few men left with the waterwheel and generator erectors.</p>
Power House Eq. Job 414	<p>No. 1 unit shut down Monday afternoon, March 25th, because of damage to water wheel guide bearing caused by low head.</p> <p>No. 2 unit shut down Saturday morning, March 30th because of insufficient head to operate.</p> <p>Assembling No. 3 water wheel and generator. Work on this unit should be completed by the end of this week.</p>
Engineering Department	<p>Work on grinder motor installation for Millinocket completed; working out details for a copper tube heating coil installation in No. 7 Millinocket digester; making further study of smooth press installation for #10 paper machine at Millinocket; working on new design for log sluice at North Twin Dam; made drawing for experimental barker; and made drawing of Carthage chipper disc which has got to be repaired for the Millinocket Mill.</p>
Miscellaneous	<p>W. O. McKay visited Penobscot Mills Wednesday and Thursday, Mar. 27th and 28th respectively.</p> <p>Mr. Messinger visited Millinocket this morning, April 1st.</p> <p>Dict. RVW</p>

DATE MAILED

April 1st, 1935

SIGNED

*J. C. Bowler*

Engineer.

GREAT NORTHERN PAPER COMPANY  
WEEKLY NEWS LETTER

FOR WEEK BEGINNING 8 A. M. **March 18,**

**1935 FROM Engineering Department**

LETTER NO. **12**

SUBJECT	DETAIL
Water Storage	<p>Maximum Capacity of Ripogemus and North Twin - 45,000 Mil. Cu. Ft.</p> <p>March 25th, 1934: " " " " - 841 " " "</p> <p>" " " Total including Small Ponds - 841 " " "</p> <p>10 Yr. Avg. (Mar. 25th) Ripogemus &amp; North Twin - 15,123 " " "</p> <p>March 25th, 1935: Ripogemus Elev. 889.42 Storage 000 " " "</p> <p>Chesuncook " 912.15 " 000 " " "</p> <p>North Twin " 475.25 " 2,050 " " "</p> <p>Total Penobscot Storage 2,050 " " "</p> <p>March 19th, 1934: " Kennebec " 8 " " "</p> <p>" 18th, 1935: " " " 2,847 " " "</p> <p>Precipitation for the first twenty-four days of March at Ripogemus is reported as being 0.54"; at Millinocket 1.26" was recorded.</p> <p>Norcross Cove elevation this morning 475.75 -- a difference of 6" between the two lakes.</p> <p>Opening up additional gates at Millinocket Lake to-day so as to draw all the water possible from now on.</p>
Grinder Motor Job 1301	<p>Inside of control house completed and switchgear structure being painted. Started plastering outside of control house to-day.</p> <p>Motor on No. 6 line turned over by water wheel for first time Thursday, March 21st at 11:35 A.M. Motor now dried out and shut down while Messinger thrust bearing is being installed between the two grinders. This bearing will be grouted to-night and then the motor will probably go to work Wednesday, March 27th.</p> <p>Released Deutschbein crew Thursday night, March 21st.</p>
Grinder Motor Job 1302	<p>Motor has been assembled on its base and millwrights are now lining and leveling.</p>
Trans. for Grd. Motors - Job 1303	<p>Transformers, switches, etc. completed, and current from North Twin-Dolby is now on the buss in control room.</p>
Repairs to Dig. Ho. Trusses Job 1308	<p>Removed old #6 truss and new one is in place but not entirely bolted.</p>
N.T. Power Ho. Job 413	<p>Main floor of station, and basement floors, now entirely concreted. Installed I-beams and building forms for extension of dam deck in front of trash racks.</p> <p>Hung large doors on south end of building.</p> <p>Cleaning up station.</p> <p>Total crew for the past week at North Twin averaged 50 men.</p>
Power House Eq. Job 414	<p>No. 1 and No. 2 units developing a total of 1300 K.W. to-day, Mar. 25th, under a head of 13.05 feet.</p> <p>Assembling No. 3 water wheel and generator. Because of the additional parts on this Kaplan unit, the installation is taking longer than anticipated.</p> <p>Installed the second motor-generator exciter set.</p> <p>Installing electric heaters.</p>
Tailrace Canal Job 415	<p>Inactive until spring.</p>
	<p>Dict. RVW</p> <p align="right">(Over)</p>
DATE MAILED	<p align="center"><b>March 25th, 1935</b></p>
	<p>SIGNED <i>J. C. Fowler</i> Engineer</p>



GREAT NORTHERN PAPER COMPANY  
WEEKLY NEWS LETTER

FOR WEEK BEGINNING 8 A. M. **March 11,**

**19 35** FROM **Engineering Department**

LETTER NO. **11**

SUBJECT	DETAIL
Water Storage	<p>Maximum Capacity of Ripogemus and North Twin - 45,000 Mil. Cu. Ft.</p> <p>March 18th, 1934: " " " " - 2,338 " " "</p> <p>" " " Total including Small Ponds - 2,338 " " "</p> <p>10 Yr. Avg. (Mar. 18th) Ripogemus &amp; North Twin - 16,513 " " "</p> <p>March 18th, 1935: Ripogemus Elev. 889.63 Storage 0,000 " " "</p> <p>Chesuncook " 912.11 " 0,000 " " "</p> <p>North Twin " 477.55 " 3,538 " " "</p> <p>Total Penobscot Storage 3,538 Mil. Cu. Ft.</p> <p>March 12th, 1934: " Kennebec " 465 " " "</p> <p>" 11th, 1935: " " " 4,047 " " "</p> <p>Precipitation for the first seventeen days of March at Ripogemus is reported as being 0.54"; at Millinocket 1.01" was recorded.</p>
Grinder Motor Job 1301	<p>Plastering the sidewalls of control house, and bricking up archways in River Wall.</p> <p>Motor for #6 line of grinders has been lined and leveled and is being packed with grout to-day.</p> <p>Switchboard and switchgear work is being rushed all possible.</p>
Grinder Motor Job 1302	<p>Rotor and stator have both been moved into the grinder room.</p> <p>Motor hoods received, moved into the room and being riveted and painted.</p>
Transformers for Grd. Motors Job 1303	<p>Power lines from the transformers have been strung across the river to the control house.</p>
Repairs to Dig. Ho. Trusses Job 1308	<p>Shoring so that #6 truss may be removed and the new truss installed in its place.</p>
N.T. Power House - Job 413	<p>Concrete floor of station poured from southend of building up to center line of No. 2 unit. Cleaning and preparing to get another section of floor this week which will take up to the center line of No. 3 unit.</p> <p>Transom over big door at south end of building has been installed and carpenters starting to-day, to hang the door itself.</p> <p>Riggers and laborers helping waterwheel and generator erectors.</p> <p>Total crew for the past week at North Twin averaged 53 men. This average is higher than the past week, because of concreting.</p>
Power House Equipment - Job 414	<p>No. 1 and No. 2 units turning out a total of 2,050 K.W. today under a head of 15.10 feet.</p> <p>Assembling water wheel and governor parts for No. 3 unit.</p> <p>Generator rotor for #3 unit has been lowered into approximate position.</p> <p>Working on switchgear and cables for No. 3 unit.</p>
Tailrace Canal Job 415	<p>Job shut down until spring.</p>
Engineering Department	<p>Working on grinder motor installation for Millinocket Mill; started layout for changing drive on #3 paper machine at Millinocket so that wrapping paper may be made on it occasionally; made layout for moving wash pump at Mill No. 1 Filter House; made study and rough estimate of installing super calenders in Madison Finishing Room.</p>
Dict. RVW	(Over)

DATE MAILED

**March 18th, 1935**

SIGNED

*J. O. Bowler* Engineer



FOR WEEK BEGINNING 2 A. M. March 11, 1912. In 1912, 1911, 1910, 1909, 1908, 1907, 1906, 1905, 1904, 1903, 1902, 1901, 1900, 1899, 1898, 1897, 1896, 1895, 1894, 1893, 1892, 1891, 1890, 1889, 1888, 1887, 1886, 1885, 1884, 1883, 1882, 1881, 1880, 1879, 1878, 1877, 1876, 1875, 1874, 1873, 1872, 1871, 1870, 1869, 1868, 1867, 1866, 1865, 1864, 1863, 1862, 1861, 1860, 1859, 1858, 1857, 1856, 1855, 1854, 1853, 1852, 1851, 1850, 1849, 1848, 1847, 1846, 1845, 1844, 1843, 1842, 1841, 1840, 1839, 1838, 1837, 1836, 1835, 1834, 1833, 1832, 1831, 1830, 1829, 1828, 1827, 1826, 1825, 1824, 1823, 1822, 1821, 1820, 1819, 1818, 1817, 1816, 1815, 1814, 1813, 1812, 1811, 1810, 1809, 1808, 1807, 1806, 1805, 1804, 1803, 1802, 1801, 1800, 1799, 1798, 1797, 1796, 1795, 1794, 1793, 1792, 1791, 1790, 1789, 1788, 1787, 1786, 1785, 1784, 1783, 1782, 1781, 1780, 1779, 1778, 1777, 1776, 1775, 1774, 1773, 1772, 1771, 1770, 1769, 1768, 1767, 1766, 1765, 1764, 1763, 1762, 1761, 1760, 1759, 1758, 1757, 1756, 1755, 1754, 1753, 1752, 1751, 1750, 1749, 1748, 1747, 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Miscellaneous N. P. Wardwell and P.N. Ottersland of Carthage Machine Co., visited Friday, March 15th. E. W. Prouty gone to Madison to make inspection of Anson Power House.

March 15th, 1912	March 14th, 1912	March 13th, 1912	March 12th, 1912	March 11th, 1912	March 10th, 1912	March 9th, 1912	March 8th, 1912	March 7th, 1912	March 6th, 1912	March 5th, 1912	March 4th, 1912	March 3rd, 1912	March 2nd, 1912	March 1st, 1912	Feb 28th, 1912	Feb 27th, 1912	Feb 26th, 1912	Feb 25th, 1912	Feb 24th, 1912	Feb 23rd, 1912	Feb 22nd, 1912	Feb 21st, 1912	Feb 20th, 1912	Feb 19th, 1912	Feb 18th, 1912	Feb 17th, 1912	Feb 16th, 1912	Feb 15th, 1912	Feb 14th, 1912	Feb 13th, 1912	Feb 12th, 1912	Feb 11th, 1912	Feb 10th, 1912	Feb 9th, 1912	Feb 8th, 1912	Feb 7th, 1912	Feb 6th, 1912	Feb 5th, 1912	Feb 4th, 1912	Feb 3rd, 1912	Feb 2nd, 1912	Feb 1st, 1912	Jan 31st, 1912	Jan 30th, 1912	Jan 29th, 1912	Jan 28th, 1912	Jan 27th, 1912	Jan 26th, 1912	Jan 25th, 1912	Jan 24th, 1912	Jan 23rd, 1912	Jan 22nd, 1912	Jan 21st, 1912	Jan 20th, 1912	Jan 19th, 1912	Jan 18th, 1912	Jan 17th, 1912	Jan 16th, 1912	Jan 15th, 1912	Jan 14th, 1912	Jan 13th, 1912	Jan 12th, 1912	Jan 11th, 1912	Jan 10th, 1912	Jan 9th, 1912	Jan 8th, 1912	Jan 7th, 1912	Jan 6th, 1912	Jan 5th, 1912	Jan 4th, 1912	Jan 3rd, 1912	Jan 2nd, 1912	Jan 1st, 1912	Dec 31st, 1911	Dec 30th, 1911	Dec 29th, 1911	Dec 28th, 1911	Dec 27th, 1911	Dec 26th, 1911	Dec 25th, 1911	Dec 24th, 1911	Dec 23rd, 1911	Dec 22nd, 1911	Dec 21st, 1911	Dec 20th, 1911	Dec 19th, 1911	Dec 18th, 1911	Dec 17th, 1911	Dec 16th, 1911	Dec 15th, 1911	Dec 14th, 1911	Dec 13th, 1911	Dec 12th, 1911	Dec 11th, 1911	Dec 10th, 1911	Dec 9th, 1911	Dec 8th, 1911	Dec 7th, 1911	Dec 6th, 1911	Dec 5th, 1911	Dec 4th, 1911	Dec 3rd, 1911	Dec 2nd, 1911	Dec 1st, 1911	Nov 30th, 1911	Nov 29th, 1911	Nov 28th, 1911	Nov 27th, 1911	Nov 26th, 1911	Nov 25th, 1911	Nov 24th, 1911	Nov 23rd, 1911	Nov 22nd, 1911
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GREAT NORTHERN PAPER COMPANY  
WEEKLY NEWS LETTER

FOR WEEK BEGINNING 8 A. M.    **March 4th,**    19 **35** FROM    **Engineering Department**    LETTER NO. **10**

SUBJECT	DETAIL
Water Storage	<p>Maximum Capacity of Ripogenus and North Twin - 45,000 Mil. Cu. Ft.</p> <p>March 11th, 1934: " " " " - 3,570 " " "</p> <p>" " " Total including Small Ponds - 3,570 " " "</p> <p>10 Yr. Avg. (March 11th) Ripogenus and North Twin 17,747 " " "</p> <p>March 11th, 1935: Ripogenus Elev. 889.81 Storage 000 " " "</p> <p>North Twin " 479.60 " 4,886 " " "</p> <p>Total Penobscot Storage 4,886 " " "</p> <p>March 5th, 1934: " Kennebec " 940 " " "</p> <p>" 4th, 1935: " " " 5,124 " " "</p> <p>Inspection of Millinocket Lake Friday, March 8th, showed that we have about 1.62 billion cubic feet available to help out the Lower Mill. The gate openings were increased so as to give them about 218 c.f.s. additional.</p> <p>Precipitation for the first ten days of March at Ripogenus is reported as being 0.26"; at Millinocket 0.76" was recorded.</p>
Grinder Motor Job 1301	<p>First coat of plaster has been applied to the control house ceiling and the finish coat is now being applied. Installing the hy-rib on the sidewalls.</p> <p>Stub shaft completed except for cutting the keyways. Concrete pier for the new Messinger thrust bearing on #6 line has been completed.</p> <p>The 2500 horse power motor has been moved onto its foundation.</p> <p>Switchboard and switchgear work is being rushed all possible by the electricians.</p>
Grinder Motor Job 1302	<p>Stub shaft completed except for cutting the keyways.</p> <p>Rotor for #5 grinder motor has been moved into the room.</p> <p>Motor hoods received.</p>
Transformers for Grd. Mot. Job 1303	<p>Very little work done this past week.</p>
Repairs to Dig. Trusses - Job 1308	<p>No. 5 truss repairs have been completed. Now ready to shift the shoring to the next truss.</p>
N.T. Power Ho. Job 413	<p>Old wooden gates and stop logs removed in front of #3 unit and the diver released.</p> <p>Chipping piers, installing beams, and building forms for the extension of the dam deck out to the racks.</p> <p>Hauling sand from pit in town, preparatory to concreting main floor of power station.</p> <p>Total crew for the past week at North Twin averaged 51 men.</p> <p>Mr. P. P. Barbey, H. J. Deutschbein Co.'s head officeman, was released Tuesday, March 5th.</p>
Power House Eq. Job 414	<p>No. 1 and No. 2 units turning out a total of 2700 K.W. to-day under a head of 17.2 feet.</p> <p>Installing No. 2 water wheel parts.</p> <p>Stator ring and the bottom spider support for No. 3 generator are in place and the rotor is being moved inside of the building to-day.</p> <p>Electricians pulling cables, installing conduits, etc.</p>
Tailrace Canal Job 415	<p>No further work until spring.</p>

Dict. RVW

(Over)

DATE MAILED

March 11, 1935

SIGNED

*JCBowler*

Engineer

**Engineering  
Department**

Working on grinder motor installation for Millinocket Mill; made study of necessary repairs to floor of Millinocket Filter House; making studies of hydraulic lathe for Madison grinders; making study of super-calender installation in the Madison Finishing Room. Making C-drawing of North Twin Power House. Figured inventories for all three mills.

**Three men out sick most of the week.**

## Miscellaneous

John McLeod visited Wednesday and Thursday, March 6th and 7th respectively.

C. N. Merrill visited from Monday, March 4th until Thursday, March 7th.

Messrs. Willard and Leen of the Link Belt Co. visited Wednesday, March 6th.

GREAT NORTHERN PAPER COMPANY  
WEEKLY NEWS LETTER

FOR WEEK BEGINNING 8 A. M.

Feb. 25th,

1935

FROM Engineering Department

LETTER NO.

9

SUBJECT	DETAIL
Water Storage	<p>Maximum Capacity of Ripogenus and North Twin - 45,000 Mil. Cu. Ft.</p> <p>March 4th, 1934: " " " " - 4,523 " " "</p> <p>" " " Total including Small Ponds - 4,523 " " "</p> <p>10 Yr. Avg. (March 4th) Ripogenus &amp; North Twin - 18,948 " " "</p> <p>March 4th, 1935: Ripogenus 890.02 Storage 0,000 Mil. Cu. Ft.</p> <p>Chesuncook 912.19 " 0,000 " " "</p> <p>North Twin 481.60 " 6,222 " " "</p> <p>Total Pondscoot Storage 6,222 " " "</p> <p>Feb. 26, 1934: Total Kennebec " 1,420 " " "</p> <p>" 25, 1935: " " " 6,870 " " "</p> <p>Precipitation for the month of February was reported as being 1.05 inches at Ripogenus; at Millinocket, 2.22 inches was recorded.</p>
Grinder Motor Job 1301	<p>Structural steel for the control house is erected and is now being riveted. Hy-rib for the ceiling is now being secured in place.</p> <p>Concrete floor of control house, and also new floor around the motor foundations have been completed.</p> <p>Machine shop making new stub shafts.</p> <p>Electricians installing switchgear apparatus.</p> <p>Switchboard received to-day, March 4th.</p>
Grinder Motor Job 1302	<p>Meyer governor installed on No. 5 line, and the underground piping in place.</p>
Transformers for Grinder Motors Job 1303	<p>Electricians working on bus connections and yesterday, March 3rd, pulled the control cables (but not the main cables) across the river.</p>
N.T. Power Ho. Job 413	<p>New steel gates for No. 3 unit all installed. The flume passageways are being cleaned out of old debris, and the diver and crew are making preparations to remove the old wooden gates and stop logs.</p> <p>Building forms (preparatory to concreting main floor) over the passageway along the west side of the building.</p> <p>Total crew for the past week at North Twin averaged 64 men.</p>
Power House Eq. Job 414	<p>No. 1 and No. 2 units both in service producing a total of 2950 K.W. under a head of 18.7 feet this morning, March 4th.</p> <p>Water wheel parts for No. 3 unit are being installed.</p> <p>Parts for No. 3 generator have been brought into the power house and are being thawed out and cleaned in preparation for installing as soon as the water wheel erector is out of the way.</p>
Tail Race Canal Job 415	<p>The second dragline was shut down at 4 P.M. Sunday, March 3rd, so that there will be no further work in the tail race until spring.</p>
Transmission Line - J. 416	<p>Transmission line in service.</p>
Engineering Department	<p>Working on grinder motor installation for Millinocket Mill; revised C-drawings of Millinocket Grinder Room; designed and ordered steel for balance of repairs needed for the digester building trusses; made a study and rough estimate for changing drives on old machines at Millinocket so that wrapper paper might be run on them; making study of necessary repairs to floor of Millinocket Filter House. Making study of hydraulic lathe possibilities for Madison Grinders. Making a C-drawing of new North Twin power house. Made physical inventories at all three mills. (Over)</p>
Dict. RVW	
DATE MAILED	March 4, 1935
	SIGNED <i>J. J. Sawyer</i> Engineer.



Miscellaneous

S. B. Stafford and Charles Barton visited Thursday, Feb. 28th.

March 4th, 1935	Aligumus 200.00 Storage	0.000 HIL. Co. P.
"	Chumumoch 212.10	"
"	North Twin 421.00	"
"	Total Purchased Storage	6.522
Feb. 28, 1934	Total Kansases	1.420
" 28, 1935	"	6.520

Precipitation for the month of February was reported as being 1.03 inches at Aligumus; at Millinocket, 2.23 inches was recorded.

Structural steel for the control house is ordered and is now being riveted. Hy-rif for the ceiling is now being secured in place. The floor of control house, and also new floor around the water transmission have been completed.

Machine shop making new shafts.

Electricians installing outboard apparatus.

Wellhead received to-day, March 4th.

Water governor installed on No. 3 line, and the underground piping is placed.

Electricians working on bus connections and yesterday, March 3rd, pulled the control cables (but not the main cables) across the river.

Now steel gates for No. 3 unit all installed. The flow passages are being cleaned out of old debris, and the floor and walls are being prepared to remove the old wooden gates and stay lugs.

Building forms (preparatory to concrete main dam) over the passageway along the west side of the building.

Total crew for the past week at North Twin averaged 64 men.

No. 1 and No. 2 units both in service producing a total of 1200 K.W. under a head of 18.7 feet this morning, March 4th.

Water wheel parts for No. 3 unit are being installed.

Parts for No. 3 generator have been brought into the power house and are being thawed out and cleaned in preparation for installing as soon as the water wheel erector is out of the way.

The second dragline was shut down at 4 P.M. Sunday, March 3rd, so that there will be no further work in the tail race until spring.

Transmission line in service.

Working on grinder motor installation for Millinocket Mill; drawings of Millinocket Grinder Room; layout and estimate given for balance of repairs needed for the digester building; witness made a study and rough estimate for changing drives on old machines at Millinocket so that wrapper paper might be run on them; making study of necessary repairs to floor of Millinocket Filter House. Making study of hydraulic lathe possibilities for Machine Grinders. Making a drawing of new North Twin power house. Made physical measurements at all three mills. (Over)

Water Storage

Grinder Motor  
Job 1301

Grinder Motor  
Job 1302

Transformers for  
Grinder Motors  
Job 1303

N.T. Power Ho.  
Job 413

Power House No.  
Job 414

Tail Race Canal  
Job 415

Transmission  
Line - 1. 416

Engineering  
Department

Chief, WW

March 4, 1935

DATE MAILED

GREAT NORTHERN PAPER COMPANY  
WEEKLY NEWS LETTER

FOR WEEK BEGINNING 8 A. M.    **Feb. 18,**    19 **35** FROM Engineering Department    LETTER NO. 8

SUBJECT	DETAIL
Water Storage	<p>Maximum Capacity of Ripogenus and North Twin - 45,000 Mil. Cu. Ft.</p> <p>Feb. 25th, 1934:    "    "    "    "    - 5,686 " " "</p> <p>                    "    "    "    Total including Small Ponds    - 5,686 " " "</p> <p>10 Year Avg. (Feb. 25th) Ripogenus &amp; North Twin    - 20,123 " " "</p> <p>Feb. 25, 1935:    Ripogenus Elev. 890.32 Storage    - 0,000 " " "</p> <p>                    Chesuncook    "    912.31    "    0,000 " " "</p> <p>                    North Twin    "    483.30    "    7,374 " " "</p> <p>                    Total Penobscot Storage    7,374 " " "</p> <p>Feb. 19th, 1934:    "    Kennebec    "    2,190 " " "</p> <p>                    "    18th, 1935:    "    "    "    8,052 " " "</p> <p>Precipitation for February to date was reported as being 0.93" at Ripogenus; at Millinocket 1.88" was recorded.</p>
Grinder Motor Job 1301	<p>Conduits below the floor in place and the floor concreted at site of switchgear.</p> <p>Switchgear received, and structure is now being assembled by the electricians.</p> <p>Concrete foundations for the motor-generator exciter sets are completed, forms stripped, and backfill in place. Expect to concrete balance of control house floor to-morrow.</p> <p>Structural steel for control house is about 90% erected.</p>
Grinder Motor Job 1302	<p>Backfilled around motor foundation. Conduits for this motor are installed under the ground.</p>
Transformers for Grinder Motors - Job 1303	<p>Nothing further accomplished this week.</p>
North Twin Power Job 413	<p>Installing new steel gates for No. 3 unit and cleaning out flumeway passages. Waterproofing No. 3 flumeway completed.</p> <p>Walls of locker room and toilet being plastered by the mill masons.</p> <p>Plugging some of leaky gates on North side of dam, so that all available water will pass thru the water wheels.</p> <p>Total crew for the past week at North Twin will average 81 men, as against 102 men, for the previous week.</p>
Power House Equipment Job 414	<p>No. 1 unit turned over for the first time at 3:56 P.M. Wednesday, Feb. 20th, and went onto the line at 5:22 P.M. Sunday, Feb. 24th.</p> <p>Installing water wheel parts for Kaplan (No. 3) unit.</p>
Tail Race Canal Job 415	<p>One dragline shut down at 8 A.M. Wednesday, Feb. 20th.</p> <p>The other dragline is working at about station 24 + 50 and has done very good work the past week.</p>
Transmission Line - Job 416	<p>The remaining three line transformers at the North Twin end, have been dried out with the No. 1 unit, and are now in place on their foundations south of the building.</p>
Engineering Department	<p>Working on Grinder Motor Installation for Millinocket Mill; revised C-drawings of Millinocket Grinder Room; made survey and study of requirements for new sweat dryer on #9 paper machine at Millinocket; designing steel for reinforcement of additional digester building trusses, Millinocket Mill; hydraulic lathe study for Madison Grinders; and North Twin project.</p>
Dict. RVW	(Over)

DATE MAILED

February 25, 1935

SIGNED

*F. C. Bowler*

Engineer

*R.V.W.*

1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 26

GREAT NORTHERN PAPER COMPANY  
WEEKLY NEWS LETTER

FOR WEEK BEGINNING 8 A. M. **February 11,** 1935 FROM Engineering Department

LETTER NO. 7

SUBJECT	DETAIL
Water Storage	<p>Maximum Capacity of Ripogemus and North Twin - 45,000 Mil. Cu. Ft.</p> <p>Feb. 18th, 1934: " " " " - 6,762 " " "</p> <p>" " " Total including Small Ponds - 6,762 " " "</p> <p>10 Yr. Avg. (Feb. 18th) Ripogemus &amp; North Twin - 21,250 " " "</p> <p>Feb. 18th, 1935: Ripogemus Elev. 890.77 Storage - 000 " " "</p> <p>Chesuncook " 912.50 " - 000 " " "</p> <p>North Twin " 485.10 " - 8,599 " " "</p> <p>Total Penobscot Storage 8,599 Mil. Cu. Ft.</p> <p>Feb. 12th, 1934: " Kennebec " 3,530 " " "</p> <p>" 11th, 1935: " " " 9,316 " " "</p> <p>Precipitation for the first seventeen days of February was reported as being 0.41" at Ripogemus; at Millinocket 1.10" was recorded.</p>
Grinder Motor Job 1301	<p>First motor (for #6 line) received and unloaded. The base has been taken inside of the building and placed on its foundation.</p> <p>Floor at site of new control house entirely removed and the electricians are installing the numerous conduits.</p> <p>Structural steel for the control house frame received and being unloaded to-day, Feb. 18th.</p> <p>Meyer governor received and set up on concrete foundation. Governor piping all installed in trench.</p>
Grinder Motor Job 1302	<p>Foundation for motor on No. 5 line is concreted, and the forms stripped. Ventilation pipe to motor pit is installed.</p> <p>Trenching for the governor piping.</p>
Transformers for Grinder Motors Job 1303	<p>All ready for electricians.</p>
North Twin Power Job 413	<p>Old wooden gates and stop logs now removed from in front of No. 1 unit and water is now up against the new steel head gates.</p> <p>Installing new steel head gates for No. 3 unit.</p> <p>Filled in at south entrance to building and installed hand railing on the new retaining wall.</p> <p>Waterproofing flume passageways of No. 3 unit.</p> <p>Total crew for the past week at North Twin averaged 102 men.</p>
Power House Equipment Job 414	<p>No. 2 unit developing 1975 K.W. under present head of 22.3 feet.</p> <p>No. 1 unit erection is progressing and will probably be turned over Wednesday, Feb. 20th for the first time.</p> <p>Motor-generator exciter set which is required for start-up of No. 1 unit, has been installed and electricians are now making necessary connections.</p> <p>Water wheel parts for No. 3 (Kaplan) unit are now being installed.</p>
Tail Race Canal - Job 415	<p>The past few days one dragline has been concentrating on removing the balance of the dike at station #10 and has improved the restriction at this point materially.</p> <p>The other dragline is working below the bridge at about station #20.</p>
Transmission Line - Job 416	<p>One circuit in use, taking current from No. 2 unit to Millinocket Mill.</p> <p>Dict. RVW</p>
(Over)	
DATE MAILED	February 18, 1935
SIGNED	<i>J. C. Bowler</i> Engineer



**Engineering Department** Working on Grinder Motor installation for Millinocket Mill; Barking plant layouts for Lower Mill; circulating system for Millinocket digester No. 7; Hydraulic Lathe application to Madison grinders; study for possible installation of super-calenders at Madison; inspection of trusses in Millinocket Digester Building, and design of necessary steel to make them safe.

**Miscellaneous** Mr. Haworth of The Portland Company, Samuel Klabin, Sao Paulo, Brazil, and Arnold Kosarin, Rio de Janeiro, Brazil visited Millinocket Mill February 12th and 13th.  
Mr. Passmore of Walworth Co., visited Thursday, Feb. 14th.  
Messrs. Talbot, Kent & Smith of St. Croix visited Feb. 14th.  
Mr. H. J. Deutschbein arrived on job to-day, Feb. 18th.

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GREAT NORTHERN PAPER COMPANY  
WEEKLY NEWS LETTER

FOR WEEK BEGINNING 8 A. M. Feb. 4th,

19 35 FROM Engineering Department

LETTER NO. 6

SUBJECT	DETAIL
Water Storage	<p>Maximum Capacity of Ripogenus and North Twin - 45,000 Mil. Cu. Ft.</p> <p>Feb. 11th, 1934: " " " " - 7,986 " " "</p> <p>" " " Total including Small Ponds - 7,986 " " "</p> <p>10 Yr. Avg. (Feb. 11th) Ripogenus and North Twin - 23,245 " " "</p> <p>Feb. 11th, 1935: Ripogenus Elev. 891.72 Storage 000 " " "</p> <p>Chasuncook " 912.71 " 000 " " "</p> <p>North Twin " 486.60 " 9,634 " " "</p> <p>Total Pendscot Storage 9,634 Mil. Cu. Ft.</p> <p>Feb. 5th, 1934: " Kennebec " 4,690 " " "</p> <p>" 4th 1935: " " " 10,622 " " "</p> <p>Precipitation for the first ten days of February was reported as being 0.00" at Ripogenus; at Millinocket, 0.07" was recorded.</p>
F-M Pump No. 4 Machine - J 1300	<p>This new 5" Fairbanks-Morse trash pump has been completely installed for operation on No. 4 machine.</p>
Grinder Motor Job 1301	<p>Trucks hauling away earth and old concrete disposal by means of the new ramp and bridge.</p> <p>Foundation for the motor on #6 line has been concreted and the forms removed. The 18" ventilation pipe has been installed, and now trenching floor for the governor piping.</p> <p>Removing concrete floor at site of control house, so that electricians may get started laying conduit as soon as possible. Started a night crew on this work Saturday, Feb. 9th.</p> <p>First motor shipment from General Electric Co. received at mill this morning.</p>
Grinder Motor Job 1302	<p>Forms for the motor foundation on #5 line are nearing completion. Excavating trench for 18" ventilation pipe.</p>
Transformers for Grinder Motors Job 1303	<p>Link-chain fence enclosure around the transformers and oil switches now entirely completed.</p> <p>Floor of switch house now concreted and ready for electricians.</p>
Fuel Oil Tank Job 1305	<p>Tank piped up temporarily and is in service. Permanent pipe will not be put in until spring.</p>
North Twin Power House - Job 413	<p>Roofing contractors finished the insulation and waterproofing of the entire roof Thursday night, Feb. 7th.</p> <p>Steel head gates and hoisting mechanism for No. 1 flume are installed. Now cleaning out temporary dams, debris, etc. from the flume passageways.</p> <p>Retaining wall from southeast corner of power house to the transformer foundation has been concreted and the forms removed.</p> <p>Metal lath practically all placed on the locker and toilet room walls.</p> <p>Total crew for the past week at North twin averages 106.6 men.</p>
Tailrace Canal Job 415	<p>One dragline working along south shore between stations 13 and 14, widening channel to full width and trimming banks.</p> <p>Second dragline has worked ashore and is now building itself a road along side the canal between station 19 and 20.</p>
Power House Equipment - Job 414	<p>No. 2 unit running most satisfactorily and is turning in to the Millinocket mill 2075 K.W. this morning under a head of 23.9 feet.</p>
	<p>Dict. RVW</p>
	(Over)
DATE MAILED	<p>February 11, 1935</p> <p>SIGNED <i>JCBowler</i> Engineer.</p>

**Job 414**  
**Continued**

Installation of No. 1 water wheel and generator continues. The stator and rotor of the generator are in approximate position.

Parts for No. 3 water wheel have been moved into the room and are being cleaned preparatory to installation. Final car of water wheel parts received Saturday, Feb. 9th.

Air compressor installed and in service.

**Transmission**  
**Line - Job**  
**416**

One circuit of transmission line in service, taking current from No. 2 unit to Millinocket.

**Engineering**  
**Department**

Working on grinder motor installation for Millinocket; various barking plant systems for East Millinocket; new bearings, bearing bracket and shaft for Holly system rotary lock; North Twin project; and, computations of inventories of all three mills.

**Miscellaneous**

Mr. Estes, Inspector for the Factory Insurance Association, visited Saturday, Feb. 9th.

GREAT NORTHERN PAPER COMPANY  
WEEKLY NEWS LETTER

FOR WEEK BEGINNING 8 A. M.

**January 28th, 1935 FROM Engineering Department**

LETTER NO. 5

SUBJECT	DETAIL
Water Storage	<p>Maximum Capacity of Ripogenus and North Twin - 45,000 Mil. Cu. Ft.</p> <p>Feb. 4th, 1934: " " " " - 9,082 " " "</p> <p>" " " Total including Small Ponds - 9,082 " " "</p> <p>10 Yr. Avg. (Feb. 4th) Ripogenus and North Twin - 23,399 " " "</p> <p>Feb. 4th, 1935: Ripogenus Elev. 893.90 Storage 000 " " "</p> <p>Chesuncook " 912.94 " 000 " " "</p> <p>North Twin " 488.10 " 10,669 " " "</p> <p>Total Penobscot Storage 10,669 Mil. Cu. Ft.</p> <p>Jan. 28th, 1934: " Kennebec " 5,570 " " "</p> <p>" 28th, 1935 " " 11,882 " " "</p> <p>Precipitation for the month of January was reported as being 4.34 inches at Ripogenus; at Millinocket, 6.46 inches was recorded.</p>
Grinder Motor Job 1301	<p>Ramp, bridge, and new entrance to river side of grinder room now entirely completed.</p> <p>Forms for the motor foundation on #6 line practically completed.</p> <p>Governor piping and part order of ventilating piping received.</p>
Grinder Motor Job 1302	<p>Excavation for the motor foundation for No. 5 line is practically down to grade to-night, February 4th.</p>
Transformers for Grinder Motors Job 1303	<p>Fence posts for enclosure around the entire sub-station are now all concreted in place. All ready for the wire fabric.</p>
Fuel Oil Tank Job 1305	<p>Tank grouted in place on its foundation and pipe being installed to-day. Job will be practically completed to-night, Feb. 4th.</p>
North Twin Power House Job 413	<p>Roofers will have the roof over the generators and the switchboard entirely waterproofed by to-night, Feb. 4th, and about 1/3 of the roof over the gate house will be covered with celotex and paper.</p> <p>New steel head gates for No. 1 unit have been installed.</p> <p>Scroll case for No. 1 unit has been waterproofed.</p> <p>Installing window mechanisms which operate the ventilators.</p> <p>Building forms for the retaining wall at southeast end of building.</p> <p>Structural steel for the locker room and toilet, erected.</p>
Power House Equip - Job 414	<p>No. 2 unit turned over for first time at 3:25 P.M. Tuesday, Jan. 25th, and remained on drying out run the balance of the week. The unit actually went into service at 7:55 P.M. Sunday, Feb. 3rd and averaged 636 K.W. for the balance of the night. This morning the wheel was opened up and 2,000 K.W. delivered at a head of 25 feet.</p> <p>Erecting No. 1 water wheel. Bottom bearing spider in place for No. 2 generator and the stator ring will be placed on its foundation late this afternoon, Feb. 4th.</p> <p>Installing air compressor.</p>
Tailrace Canal Job 415	<p>One dragline still working along south shore just above the old railroad embankment.</p> <p>The other dragline outfit is working just below the new railroad bridge, dredging boulders from section "D".</p>
Transmission Line - J. 416	<p>Three of the line transformers moved onto foundation at North Twin Friday afternoon, February 1st; remaining three inside of power house drying out.</p>
	<p>Dict. RVW</p> <p align="right">(Over)</p>

DATE MAILED

February 4th, 1935

SIGNED

*JCBowler* Engineer



**Engineering  
Department**

Working on grinder motor installation for Millinocket Mill; lined and levelled No. 7 water wheel shaft at Dolby; working on various barking plant studies for the East Millinocket Mill; North Twin power development; and, physical inventories at all three mills.

## Miscellaneous

H. J. Deutschbein visited construction jobs Monday, Tuesday and Wednesday, Jan. 28th, 29th and 30th, respectively.

Mr. P. C. Newbegin, Bangor & Arcostook Chief Engineer, visited Tuesday, January 29th.

Mr. G. V. Salle left the North Twin job Friday, February 1st.

GREAT NORTHERN PAPER COMPANY  
WEEKLY NEWS LETTER

FOR WEEK BEGINNING 8 A. M. Jan. 21,

19 35 FROM Engineering Department

LETTER NO. 4

SUBJECT	DETAIL
Water Storage	<p>Maximum Capacity of Ripogenus and North Twin - 45,000 Mil. Cu. Ft.</p> <p>Jan. 28, 1934: " " " " - 10,048 " " "</p> <p>" " " Total including Small Ponds - 10,048 " " "</p> <p>10 Yr. Avg. (Jan. 28th) Ripogenus and North Twin - 24,295 " " "</p> <p>Jan. 28th, 1935: Ripogenus Elev. 896.45 Storage - 000 " " "</p> <p>Chesuncook " 913.27 " - 140 " " "</p> <p>North Twin " 489.25 " - 11,465 " " "</p> <p>Total Penobscot Storage 11,605 Mil. Cu. Ft.</p> <p>Jan. 22nd, 1934: " Kennebec " 6,559 " " "</p> <p>" 21st, 1935: " " " 12,190 " " "</p> <p>Precipitation for the first twenty-seven days of January was reported as being 4.32 inches at Ripogenus; at Millinocket, 6.36 inches was recorded.</p>
Hoods #9 & #10 Mchs. Job 1295	<p>All hood work and sprinkler system for same completed. Job will be entirely completed as soon as electricians finish installing new lights.</p>
Grinder Motor Job 1301	<p>Concreting the floor slab of the ramp to-day. Building forms for the bridge proper.</p> <p>New doorway into the grinder room (off the bridge) completed and the two large doors installed on their runway.</p> <p>Excavation for the motor foundation on #6 line will be completed to-night, January 28th.</p>
Grinder Motor Job 1302	<p>Excavating for the motor foundation on No. 5 grinder line.</p>
Transformers for Grinder Motors - J.1303	<p>Switch house completed except for concrete floor.</p> <p>Transformer oil filtered and samples sent to General Electric Company for test.</p>
Fuel Oil Tank Job 1305	<p>Oil tank on foundation slab. Cradle forms will be completed to-night and the balance of concrete poured to-morrow.</p>
North Twin Power Job 413	<p>Roofers will have from the ridge to the east edge of the roof insulated and waterproofed by to-night.</p> <p>No. 3 generator curb concreted and forms removed.</p> <p>Three gates for No. 2 unit installed and the stop planks out of two of the gateways. Started installing gates for No. 1 unit.</p> <p>Scroll case of No. 2 unit filled with water this morning, Jan. 28th, but as several small leaks developed, it has been necessary to drain the water out so as to chink it tight from the inside.</p>
Power House Equip- Job 414	<p>No. 2 water wheel and generator coupled together. Water let into scroll case this morning, Jan. 28th, but unit not turned over because of some small leaks.</p> <p>Installation of No. 1 water wheel is progressing good, -- runner is installed.</p> <p>Electricians working on switchboard, various wiring, etc.</p>
Tailrace Canal Job 415	<p>One dragline working its way up-river from the B. &amp; A. bridge, widening canal out to its full width on the south shore.</p> <p>The other dragline is being moved to below the bridge and by to-night will be in position to start digging in section "D".</p>

Dict. RVW

(Over)

DATE MAILED

January 28th, 1935

SIGNED

*H. C. Bowler*

Engineer

**Transmission Line**  
**Job 416**

Transformers are inside of power house and a small amount of current is being put into these transformers, the current coming from Millinocket over the new transmission line.  
Cables from power house to transformer station are laid in trench but are not concreted at either end.  
Sub-station at Millinocket end, practically ready to take current.

**Engineering**  
**Department**

Working on Grinder Motor installation for Millinocket Mill; Trimbe Knotter Screen for Millinocket Mill; redesign of shaft and bearing for the rotary lock of Holly system at Millinocket Mill; Wood Room changes for East Millinocket Mill; and North Twin Project.

**Miscellaneous**

Severe snow storm Wednesday night, Jan. 23rd and Thursday, Jan. 24th. A total of 20" of snow fell and together with the cold, slowed up our construction work considerably.  
H. J. Deutschbein. arrived this morning, Jan. 28th.

GREAT NORTHERN PAPER COMPANY  
WEEKLY NEWS LETTER

FOR WEEK BEGINNING 8 A. M. January 14,

1935 FROM Engineering Department

LETTER NO. 3

SUBJECT	DETAIL
Water Storage	<p>Maximum Capacity of Ripogenus and North Twin - 45,000 Mil. Cu. Ft.</p> <p>Jan. 21, 1934: " " " " - 10,848 " " "</p> <p>" " " Total including Small Ponds - 10,848 " " "</p> <p>10 Yr. Avg. (Jan. 21st) Ripogenus &amp; North Twin - 25,385 " " "</p> <p>January 21st, 1935: Ripogenus Elev. 902.40 Storage 106 " " "</p> <p>Chesuncook " 913.69 " 359 " " "</p> <p>North Twin " 489.75 " 11,815 " " "</p> <p>Total Penobscot Storage 12,280 Mil. Cu. Ft.</p> <p>January 15th, 1934: " Kennebec " 7,567 " " "</p> <p>" 14th, 1935: " " " 12,729 " " "</p> <p>Precipitation for the first twenty days of January was reported as being 2.90 inches at Ripogenus; at Millinocket, 3.24 inches was recorded.</p>
Hoods #9 & #10 Mchs. Job 1295	<p>Tinsmith worked on copper connections from uptakes to fans Sunday, January 20th. Installing new sprinkler system and lighting system under hoods.</p> <p>Mr. Belke, J. O. Ross erector left Tuesday, January 15th.</p>
Grinder Motor Job 1301	<p>Building forms for the ramp and bridge deck.</p> <p>Started excavation for the motor foundation to-day, Jan. 21st.</p>
Transformers for Grinder Motors Job 1303	<p>The two 2500 KVA transformers have been moved onto their foundation, and the oil is being filtered to-day.</p> <p>Grading around the transformer foundation and switch house.</p> <p>Switch house roof installed.</p>
Transformer Fil- ter Press Job 1304	<p>Filter press set up and filtering oil for transformers and oil switches on job 1303.</p>
Fuel Oil Tank Job 1305	<p>Foundation slab concreted. Making preparations to set tank so that the cradle forms may be built.</p>
N. T. Power Job 413	<p>Roofing crew started work Tuesday, January 15th. About eleven squares have been insulated and waterproofed at this writing.</p> <p>Concrete stairs from gate house to switchboard platform are completed, and installing pipe railings along edge of platform and stairways.</p> <p>The three steel gates for No. 2 unit are hung up in place and the hoist mechanism is being installed.</p> <p>Scroll case for No. 2 unit all waterproofed.</p> <p>Forms for generator curb of No. 3 unit ready for concrete.</p> <p>Building fishway forms above elevation 467.</p>
Power House Equipment Job 414	<p>Exciter installed on No. 2 generator. The generator and water wheel are almost ready to be coupled together.</p> <p>Started installation of No. 1 water wheel.</p> <p>Electricians working on the switchboard.</p>
Tail Race Job 415	<p>One dragline removing the dyke between sections "B" and "C". It is a little better than half out at this writing.</p> <p>The other dragline is rehandling material at the site of the old B &amp; A bridge abutment.</p> <p>Elevation of water in canal 463.65.</p>
	<p>Dict. RVW</p> <p align="right">(Over)</p>
DATE MAILED	<p>January 21, 1935</p> <p>SIGNED <i>J C Bowler</i> Engineer</p>



**Transmission Line  
Job 416**

Steel transformer structure at North Twin erected, and transmission lines across the river to the structure on North shore, are all pulled up in place. Electricians installing bus bars, switches, lighting arrestors, etc., on the structure. Transformers are in station being fitted up before moving onto foundation.  
Digging trench for cables from the power house to the transformer station.

**Engineering  
Department**

Working on Grinder Motor installation for Millinocket; re-design of couch drive for first three machines at Millinocket; Trimble knotters screen for Millinocket; returnable core machines for Millinocket; Wood Room changes for East Millinocket; and North Twin power development.

**Miscellaneous**

George Ordway, Barret Roof Inspector visited North Twin job Tuesday, January 15th.  
Annual Meeting of the Company held at the Administration Building 10:30 A.M. January 16th.  
Messrs. Whitcomb, McKay, Smith and Hilton visited Penobscot mill Wednesday and Thursday, January 16th and 17th, respectively.  
Harry H. Leathers of Babcock & Wilcox Company visited to-day, January 21st.

GREAT NORTHERN PAPER COMPANY  
WEEKLY NEWS LETTER

FOR WEEK BEGINNING 8 A. M.

Jan. 7,

1935 FROM Engineering Dept.

LETTER NO. 2

SUBJECT	DETAIL
Water Storage	<p>Maximum Capacity of Ripogenus and North Twin - 45,000 Mil. Cu. Ft.</p> <p>Jan. 14, 1934: " " " " - 11,776 " " "</p> <p>" " " Total including Small Ponds - 11,776 " " "</p> <p>10 Yr. Avg. (Jan. 14th) Ripogenus and North Twin - 26,325 " " "</p> <p>January 14th, 1935: Ripogenus Elev. 912.10 Storage 537 Mil. Cu. Ft.</p> <p>Chesuncook " 914.86 " 950 " " "</p> <p>North Twin " 489.70 " <u>11,780 " " "</u></p> <p>Total Penobscot Storage 13,267 Mil. Cu. Ft.</p> <p>January 8th, 1934: " Kennebec " 8,473 " " "</p> <p>" 7th, 1935: " " " 13,102 " " "</p> <p>Precipitation for the first thirteen days of January was reported as being 3.00 inches at Ripogenus; at Millinocket, 2.61" was recorded.</p>
Hoods #9 & #10 Machines - Job 1295 Grinder Motor Job 1301	<p>Hoods over both #9 and #10 are all erected and the uptakes to exhaust fans completed except for a little copper work.</p> <p>Structural steel for the ramp and bridge all erected and riveted.</p> <p>Pipe railing in place.</p> <p>Started building forms for concrete floor slab.</p>
Transformers for Grinder Motors Job 1303	<p>Concrete foundation for the transformers completed, the forms stripped, a start made on the backfilling.</p> <p>Brick walls of switch house all laid up and the roof being framed to-day, Jan. 14th.</p> <p>The two 2500 KVA transformers were received at the mill to-day, Jan. 14th.</p>
Transformer Filter Press - Job 1304	<p>Transformer filter press, dryer, testing machine, etc., received at Millinocket mill, Friday, Jan. 11th.</p>
Tractor Fuel Oil Tank - J. 1305	<p>Excavation for tank foundation completed and a start made on the forms.</p>
N. T. Power House - Job 413	<p>Completed all brick work, Tuesday night, Jan. 8th.</p> <p>Completed concrete roof Tuesday, Jan. 8th.</p> <p>Switchboard platform concreted its entire length, and pouring a section of floor under the North end of it to-day, Jan. 14th.</p> <p>Fishway concreted up to elevation 467.00.</p> <p>Waterproofing scroll case of No. 2 unit.</p> <p>Hung outside doors of gate house and starting to install steel gates for No. 2 unit.</p>
Power House Eq. Job 414	<p>Finishing the erection of No. 2 water wheel and cleaning parts for No. 1 unit.</p> <p>Stator and rotor of No. 2 generator unit is in place.</p> <p>Installing wires on switchboard structure and switchboard panels.</p>
Tail Race Job 415	<p>Both draglines still working just above the new Bangor &amp; Aroostook railroad bridge. Stopped pumping tailrace to-day.</p>
Transmission Line - Job 416	<p>Excavation for the transformer foundation at North Twin completed, and the walls concreted. Started erection of steel structure.</p> <p>Digging trench for electric cables from Power House to the transformers.</p> <p>Dict. RVW</p>
(Over)	
DATE MAILED	<p>January 14, 1935</p> <p>SIGNED <i>J. C. Bowler</i> Engineer</p>

Engineering  
Department

Working on Grinder Motor installation for Millinocket;  
redesigning couch drive on first three machines at Millinocket;  
Wood Room changes for East Millinocket; Trimby Knotter screen for Mill-  
inocket; and North Twin project.

Miscellaneous

A. R. Caspar visited Tuesday, Jan. 8th.

A. I. Harris into Chesuncook, Wednesday January 9th, checking  
water elevations.

H. J. Deutschbein visited North Twin work Wednesday, Thursday  
and Friday, Jan. 9th, 10th and 11th, respectively.

Frank Partsch of J. O. Ross Engineering Corporation visited  
Wednesday, Jan. 9th.